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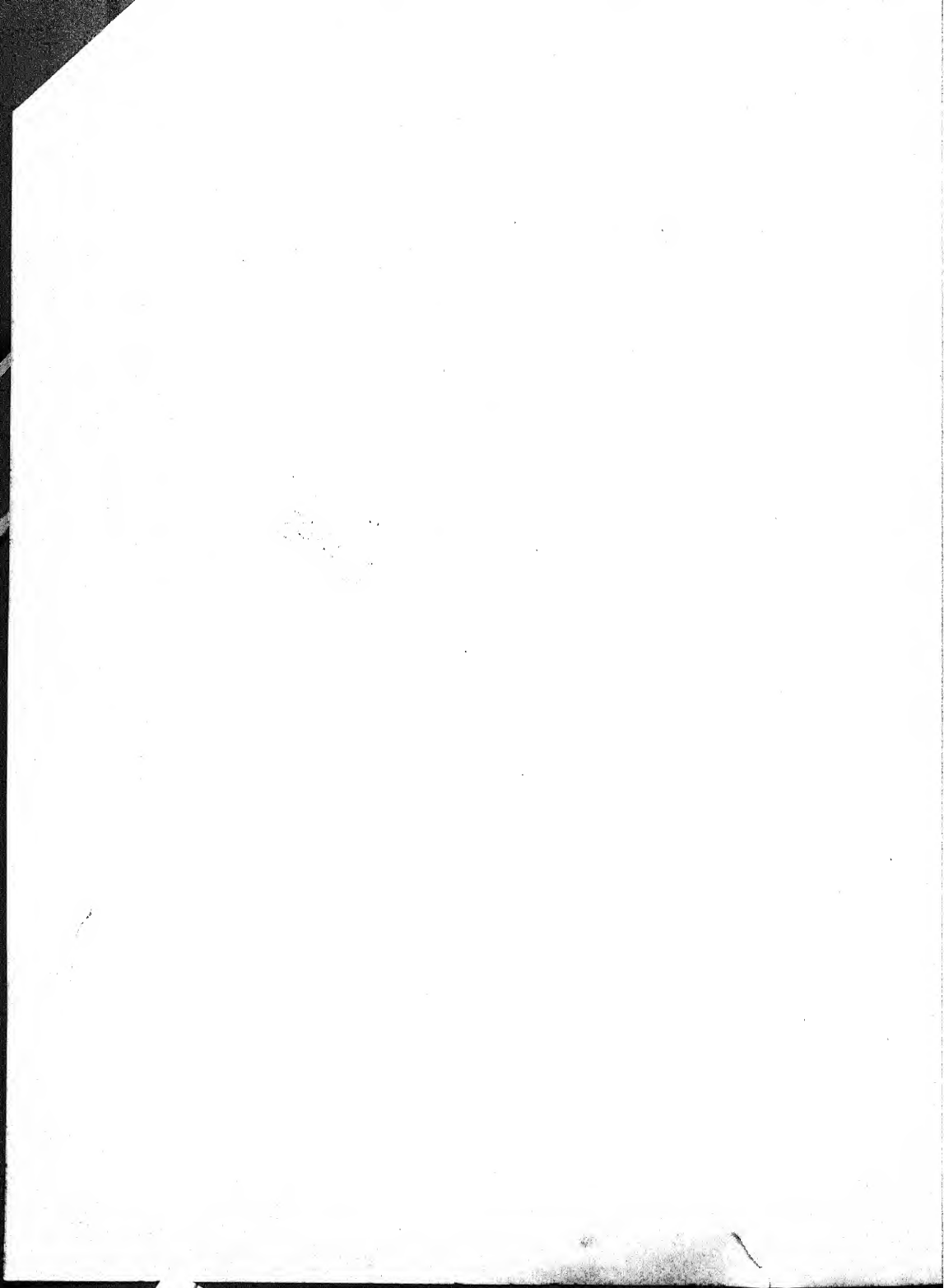
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1920 June





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ASTROGRAPHIC CATALOGUE
1900·0.

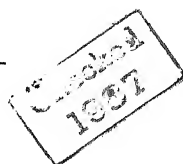
HYDERABAD SECTION

DEC. -16° to -21° .

FROM PHOTOGRAPHS TAKEN AND MEASURED AT THE NIZAMIAH
OBSERVATORY, HYDERABAD.

UNDER THE DIRECTION OF THE LATE
R. J. POCKOCK, B.A., B.Sc., F.R.A.S.

VOL. III.



MEASURES OF RECTANGULAR CO-ORDINATES
AND DIAMETERS OF 58,743 STAR-IMAGES

ON PLATES WITH CENTRES IN

DEC. -19°



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PREFACE.

THIS volume forms the third in the Hyderabad section of the Astrographic Catalogue undertaken by the late Mr R. J. Pocock at the Nizamiah Observatory. At the time of his lamented death, 1918 October 9, 161 plates out of the 180 belonging to this zone had been taken and measured. The remaining portion was subsequently completed under the supervision of the present writer; but the general plan drawn by Mr Pocock has been carefully followed throughout, so that the whole work may be regarded as published under the direction of the author. It is sad that, after bestowing so much earnest attention on this work, he could not see the final completion of his labours.

T. P. BHASKARAN.

ERRATA.

VOL. II. ZONE -18° .

PAGE

xiv. Personality of Measurers, *read*

| | | | | |
|---|-----------|-----|-----|----|
| A | 445-- 485 | - 1 | + 1 | 5 |
| | 607-1064 | - 1 | - 2 | 26 |

xx. Line 8, for $\frac{1}{4}\mu(2Y^2+3X^2 \cdot Y \cdot \cos 2D)$

read $\frac{1}{4}\mu^2(2Y^2+3X^2 \cdot Y \cdot \cos 2D)$.

10. No. 1940, for 4.434 *read* 5.434.

19. for No. 5366 *read* 5366*.

VOL. III. ZONE -19° .

24. for 7802 *read* 7802*.

45. for 16347* *read* 15347*.

89. for 31033 *read* 31033*.

168. 59769*, for 0.003 *read* 10.003.

171. for 70826* *read* 60826*.

171. for 70789* *read* 60789.

174. for 62975* *read* 61975*.

HYDERABAD ASTROGRAPHIC CATALOGUE.

1900.

VOL. III.

INTRODUCTION.

[A more detailed introduction is given in Vol. I. Only such portions are repeated as require modification from zone to zone.]

I.—HISTORICAL SUMMARY.

The work on the present zone was commenced early in December 1916, and was completed in January 1919, when the last plate taken for this volume was measured. The work has thus been spread over nearly two years. The copy for press was sent to the printers as the measurement proceeded, so that by the time the last plate was completed, more than half the volume had been printed and passed for press.

As in the case of the previous zones, the strictest economy in time has been observed throughout the work on the present zone. The same considerations as were mentioned in the Introduction to Vol. II. p. vi. were constantly borne in mind, and have influenced decisions in minor details. At the same time every effort has been made to attain the same standard of accuracy as that obtained in other sections of the Astrographic Catalogue.

The following is a list of persons who have taken part in the work of this zone, with the initials by which they are denoted :—

| Name. | Initials. | Name. | Initials. |
|----------------------------|-----------|-------------------------------|-----------|
| R. J. Pocock | P. | Syed Ahmed | A. |
| T. P. Bhaskaran | B. | M. Anantanarayanan | N. |
| C. Hanmant Rao | H. | U. S. Raghavendra Rao | R. |
| D. R. Sripathi Rao | S. | M. Ahmedullah | M.A. |
| M. K. Bappu | M. | A. J. Govinda Raja | G. |

In addition, V. Ramachandran, M. Vaidyanatha Sastri, and later H. S. Ramanna, have assisted in computations and reductions. M. Azimuddin and A. V. Bheema Rao have assisted in taking down the measures, preparing copy for press, and reading the proofs.

II.—THE INSTRUMENT.

See Introduction to Vol. I. p. vi.

III.—PHOTOGRAPHIC.

The plates for this zone have all been given at least two exposures, the telescope being slightly displaced in declination before the second exposure. The actual lengths of the exposures have varied with the quality of the plates, the primary exposure being not less than 12 m, and exceeding 20 m only in a few cases. The actual duration of the exposures given to each plate will be found in the table of details below. The exposures for plates taken prior to 1917 September 15 were timed with a mean time chronometer, and the intervals are therefore given in mean time; for plates taken later than this date, a sidereal chronometer was used, and the intervals for these plates are consequently given in sidereal time. The images of the longer exposure were measured in all cases except six, viz. :—

18 h 20 m ; 19 h 16 m ; 20 h 20 m ; 20 h 28 m ; 21 h 8 m ; 23 h 16 m,

when the images of the shorter exposure were measured, the longer being defective.

The following table will show the class of plate used and also the particular batch from which it came :—

| Limiting Plates. | Class and Batch. |
|------------------|------------------|
| 852-880 | Stella A 10412 |
| 882-1161 | Stella A 10426 |
| 1162-1228 | Rocket A 10454 |
| 1229-1269 | Rocket D 10485 |
| 1270-1275 | Stella A 294 |
| 1276-1309 | Rocket D 10485 |

All the plates were developed with metol hydroquinone by Mr Bappu; but for plates with numbers between 1121 and 1188 monomet was used, and for those between 1189 and 1269 serchol was used as a substitute for metol. Plates between 1270 and 1286 were developed with metol alone without hydroquinone. As in

the previous zones, no special effort was taken to secure large numbers of stars in the richer regions; but in the poorer regions reasonable effort has been made to obtain a good number of stars on each plate. There are only a few plates containing less than 150 stars, and none less than 100.

The ratio of the number of stars on each plate to the number shown on the corresponding region of Schönfeld's map has also been used as a criterion. There are only two plates for which a ratio of two (equivalent to 2.5 times Argelander) has not been attained, and for more than 60 per cent. of the plates a ratio of three or more has been attained. The average number of stars per plate is 326.

The different réseaux used for plates in this zone are given in the following list:—

| Réseau. | Plates. | Value of One Interval. |
|--|-------------|------------------------|
| Oxford No. V. Gautier | 852-1139 } | mm. |
| National Physical Laboratory | 1169-1228 } | 5.04 |
| Kodaikanal Gautier | 1140-1168 } | 5.04 |
| | 1229-1297 } | 5.00 |

The Oxford réseau No. V has the line $y=3$ displaced. For 141 plates out of 180 in Zone—19°, this réseau has been used, the measures being corrected for the error (see errors of réseau below); as it is ruled to suit the focal length of the Oxford telescope, its use involves a scale value correction of .02500 approximately to the measured co-ordinates.

The réseau made at the National Physical Laboratory was used only for seven plates in this zone. The lines are clearly cut, but they are not rectangular; this error is automatically corrected by the plate constants, and on this account the sum of the two orientation constants (B+D) for the plates with this réseau is a small positive quantity instead of zero.

In June 1918, the Director of the Kodaikanal Observatory kindly sent a Gautier réseau which was immediately brought into use. This réseau is ruled to the standard scale (value of one réseau interval=5.00 mm.), and as the focal length of the Hyderabad Astrographic telescope requires a spacing of approximately 4.985 mm., this involves scale value corrections of about —.01750 times the measured co-ordinates. This réseau was used for 32 plates in this zone.

The réseau was imprinted on the plates just before development, by exposure to an electric light at a distance of 18 feet, the réseau and plate being separated by an edging of moderately thick paper.

The following table gives the particulars of the plates in the present volume.

The first column gives the number of the plate in the Hyderabad series.

The second column gives the fraction of the year corresponding to the (astronomical) day on which the exposure was made to three decimal places.

The third column gives the approximate R.A. of the plate centre.

The fourth column gives the hour angle of the plate centre corresponding to the middle of the exposure which was subsequently measured; clock corrections have been applied where they amounted to one minute or more.

The fifth column gives the duration of the exposures (in mean time except for plates taken after 1917·704, which are in sidereal time); the image of the longer exposure was measured in all cases except six, viz. :—

18 h 20 m; 19 h 16 m; 20 h 20 m; 20 h 28 m; 21 h 8 m; 23 h 16 m.

The sixth column indicates the observer who guided the telescope; a second observer was always present to assist in setting the instrument, etc. The signification of the different initials is explained above.

The seventh column shows which of the measuring instruments was used. Each measurer used the same instrument throughout. In Nos. 1 and 2 the plates of the southern zones have to be measured with the glass side up.

The eighth column gives the initials of the measurer. Each plate was measured throughout in both positions by one measurer.

The ninth column gives the number of stars measured.

The tenth column shows the ratio of the numbers measured to the number of stars shown in the corresponding area of Schönfeld's map.

The eleventh column gives the number of stars in the corresponding regions of the Astronomische Gesellschaft Catalogue (Algiers) for 1900·0.

List of Plates in Zone —19°.

| No. of plate. | Year and fraction, 1900+. | R.A. of centre. | | Hour angle. | | Exposures. | Observer. | Instrument. | Measurer. | No. of stars. | Ratio to Schönfeld. | No. in A.G.C. (Algiers). |
|---------------|---------------------------|-----------------|----|-------------|-------|------------|-----------|-------------|-----------|---------------|---------------------|--------------------------|
| | | h | m | h | m | | | | | | | |
| 894 | 16·956 | o | 4 | o | 9 W. | 12 6 | R. | 4 | M. | 207 | 3·1 | 23 |
| 888 | 16·956 | | 12 | o | 5 E. | 12 6 | B. | 1 | R. | 196 | 3·9 | 21 |
| 857 | 16·909 | | 20 | o | 28 W. | 12 6 | A. | 3 | A. | 199 | 3·1 | 13 |
| 882 | 16·947 | | 28 | o | 3 W. | 12 6 | S. | 1 | S. | 165 | 3·1 | 21 |
| 889 | 16·953 | | 36 | o | 11 W. | 12 6 | S. | 3 | N. | 151 | 2·6 | 13 |
| 885 | 16·950 | | 44 | o | 9 E. | 12 6 | A. | 4 | M. | 171 | 3·2 | 19 |
| 895 | 16·956 | o | 52 | o | 2 E. | 12 6 | N. | 1 | R. | 142 | 2·2 | 20 |
| 901 | 16·958 | 1 | o | o | 30 E. | 12 6 | A. | 3 | A. | 174 | 3·4 | 17 |
| 908 | 16·961 | | 8 | o | 34 E. | 12 6 | B. | 1 | S. | 167 | 3·1 | 16 |
| 902 | 16·958 | | 16 | o | 18 E. | 12 6 | H. | 4 | M. | 213 | 3·5 | 20 |
| 887 | 16·950 | | 24 | o | 8 W. | 12 6 | P. | 1 | S. | 141 | 2·1 | 21 |
| 909 | 16·961 | 1 | 32 | o | 29 E. | 12 6 | S. | 1 | R. | 160 | 2·5 | 17 |

List of Plates in Zone -19° (continued).

| No. of plate. | Year and fraction, 1900+. | R.A. of centre. | | Hour angle. | | Exposures. | | Observer. | Instrument. | Measurer. | No. of stars. | Ratio to Schönfeld. | No. in A.G.C. (Algiers.) |
|---------------|---------------------------|-----------------|----|-------------|-------|------------|----|-----------|-------------|-----------|---------------|---------------------|--------------------------|
| | | h | m | h | m | m | m | | | | | | |
| 891 | 16-953 | 1 | 40 | 0 | 11 W. | 12 | 6 | S. | 3 | A. | 151 | 2.7 | 19 |
| 1161 | 17-928 | | 48 | 0 | 1 E. | 12 | 6 | P. | 3 | N. | 122 | 2.0 | 19 |
| 903 | 16-958 | 1 | 56 | 0 | 31 E. | 12 | 6 | A. | 4 | M. | 181 | 2.6 | 16 |
| 892 | 16-953 | 2 | 4 | 0 | 15 W. | 12 | 6 | B. | 1 | R. | 134 | 2.8 | 24 |
| 1171 | 18-003 | | 12 | 1 | 6 W. | 20 | 12 | M. | 3 | N. | 210 | 3.4 | 16 |
| 852 | 16-906 | | 20 | 0 | 1 W. | 12 | 6 | N. | 3 | A. | 187 | 3.6 | 8 |
| 904 | 16-958 | | 28 | 0 | 24 E. | 12 | 6 | H. | 1 | R. | 167 | 2.8 | 13 |
| 873 | 16-914 | | 36 | 0 | 1 E. | 12 | 6 | H. | 1 | S. | 209 | 3.0 | 21 |
| 860 | 16-909 | | 44 | 0 | 10 E. | 12 | 6 | A. | 4 | M. | 213 | 3.8 | 22 |
| 898 | 16-956 | 2 | 52 | 0 | 10 E. | 12 | 6 | R. | 3 | A. | 174 | 2.3 | 15 |
| 893 | 16-953 | 3 | 0 | 0 | 14 E. | 12 | 6 | S. | 1 | S. | 169 | 2.4 | 23 |
| 905 | 16-958 | | 8 | 0 | 35 E. | 12 | 6 | A. | 4 | M. | 241 | 3.0 | 27 |
| 861 | 16-909 | | 16 | 0 | 11 E. | 12 | 6 | A. | 1 | R. | 256 | 4.2 | 18 |
| 899 | 16-956 | | 24 | 0 | 9 E. | 12 | 6 | N. | 3 | A. | 187 | 2.7 | 26 |
| 875 | 16-914 | | 32 | 0 | 7 W. | 12 | 6 | H. | 4 | M. | 230 | 4.0 | 12 |
| 876 | 16-914 | | 40 | 0 | 27 W. | 12 | 6 | A. | 3 | A. | 215 | 3.0 | 22 |
| 853 | 16-906 | | 48 | 0 | 48 E. | 12 | 6 | R. | 1 | S. | 270 | 3.5 | 23 |
| 854 | 16-906 | 3 | 56 | 0 | 15 E. | 12 | 6 | N. | 2 | M.A. | 248 | 3.0 | 28 |
| 862 | 16-909 | 4 | 4 | 0 | 29 E. | 12 | 6 | A. | 1 | R. | 301 | 4.0 | 30 |
| 869 | 16-912 | | 12 | 0 | 36 E. | 12 | 6 | S. | 3 | A. | 330 | 3.9 | 24 |
| 877 | 16-914 | | 20 | 0 | 17 W. | 12 | 6 | H. | 3 | N. | 316 | 3.8 | 28 |
| 900 | 16-956 | | 28 | 0 | 34 E. | 12 | 6 | R. | 1 | R. | 242 | 2.8 | 25 |
| 906 | 16-958 | | 36 | 1 | 28 E. | 12 | 6 | H. | 1 | S. | 249 | 3.4 | 26 |
| 870 | 16-912 | | 44 | 0 | 35 E. | 12 | 6 | S. | 1 | R. | 365 | 4.5 | 18 |
| 878 | 16-914 | 4 | 52 | 0 | 18 W. | 12 | 6 | A. | 3 | A. | 441 | 5.3 | 22 |
| 913 | 16-961 | 5 | 0 | 1 | 31 E. | 12 | 6 | S. | 1 | S. | 298 | 3.9 | 23 |
| 879 | 16-914 | | 8 | 0 | 31 W. | 12 | 6 | H. | 2 | M.A. | 341 | 4.9 | 16 |
| 914 | 16-961 | | 16 | 1 | 18 E. | 12 | 6 | B. | 1 | S. | 310 | 3.3 | 23 |
| 915 | 16-961 | | 24 | 0 | 44 E. | 12 | 6 | S. | 1 | S. | 423 | 4.7 | 28 |
| 916 | 16-964 | | 32 | 1 | 44 E. | 12 | 6 | A. | 1 | R. | 506 | 6.0 | 30 |
| 917 | 16-964 | | 40 | 1 | 23 E. | 12 | 6 | N. | 4 | M. | 474 | 5.4 | 31 |
| 872 | 16-912 | | 48 | 0 | 10 E. | 12 | 6 | S. | 1 | S. | 504 | 5.4 | 27 |
| 918 | 16-964 | 5 | 56 | 1 | 8 E. | 12 | 6 | A. | 3 | A. | 570 | 5.3 | 28 |
| 880 | 16-914 | 6 | 4 | 0 | 7 W. | 12 | 6 | A. | 4 | M. | 744 | 7.2 | 23 |
| 919 | 16-964 | | 12 | 0 | 56 E. | 12 | 6 | N. | 1 | R. | 502 | 5.3 | 31 |
| 928 | 16-969 | | 20 | 1 | 47 E. | 12 | 6 | S. | 4 | M. | 574 | 5.4 | 36 |
| 931 | 16-972 | | 28 | 1 | 38 E. | 12 | 6 | B. | 3 | A. | 479 | 4.4 | 32 |
| 930 | 16-972 | | 36 | 2 | 14 E. | 12 | 6 | A. | 3 | A. | 684 | 5.7 | 40 |
| 932 | 16-972 | | 44 | 1 | 26 E. | 12 | 6 | A. | 4 | M. | 773 | 6.5 | 49 |
| 933 | 16-972 | 6 | 52 | 1 | 7 E. | 12 | 6 | B. | 1 | R. | 889 | 6.8 | 42 |
| 934 | 16-972 | 7 | 0 | 0 | 44 E. | 12 | 6 | A. | 3 | A. | 1041 | 6.4 | 46 |
| 943 | 17-044 | | 8 | 0 | 25 E. | 12 | 6 | S. | 1 | R. | 1192 | 7.4 | 58 |
| 947 | 17-047 | | 16 | 1 | 39 E. | 12 | 6 | A. | 1 | S. | 1301 | 8.3 | 43 |
| 948 | 17-047 | | 24 | 1 | 14 E. | 12 | 6 | A. | 3 | A. | 1616 | 10.2 | 42 |
| 949 | 17-047 | | 32 | 0 | 49 E. | 12 | 6 | G. | 4 | M. | 1177 | 7.2 | 43 |
| 951 | 17-052 | | 40 | 0 | 45 E. | 12 | 6 | S. | 3 | N. | 975 | 6.2 | 43 |
| 950 | 17-052 | | 48 | 1 | 24 E. | 12 | 6 | H. | 1 | S. | 886 | 5.2 | 41 |
| 952 | 17-052 | 7 | 56 | 0 | 34 E. | 12 | 6 | H. | 1 | R. | 1110 | 7.4 | 37 |
| 953 | 17-052 | 8 | 4 | 0 | 6 W. | 12 | 6 | S. | 3 | A. | 889 | 5.4 | 40 |
| 956 | 17-058 | 8 | 12 | 2 | 8 E. | 12 | 6 | A. | 4 | M. | 770 | 5.0 | 44 |

List of Plates in Zone -19° (continued).

| No. of plate. | Year and fraction, 1900+. | R.A. of centre. | | Hour angle. | | Exposures. | Observer. | Instru-ment. | Measurer. | No. of stars. | Ratio to Schönfeld. | No. in A.G.C. (Algiers). |
|---------------|---------------------------|-----------------|----|-------------|---------|------------|-----------|--------------|-----------|---------------|---------------------|--------------------------|
| | | h | m | h | m | m | | | | | | |
| 957 | 17-058 | 8 | 20 | 1 | 48 E. | 12 6 | A. | 3 | N. | 616 | 4.3 | 38 |
| 954 | 17-052 | | | 28 | 0 10 W. | 12 6 | H. | 3 | A. | 587 | 4.8 | 46 |
| 958 | 17-058 | | 36 | 1 | 34 E. | 12 6 | A. | 1 | R. | 684 | 7.2 | 34 |
| 959 | 17-058 | | 44 | 1 | 13 E. | 12 6 | A. | 3 | A. | 363 | 4.4 | 27 |
| 960 | 17-058 | 8 | 52 | 0 | 50 E. | 12 6 | A. | 3 | N. | 345 | 3.6 | 25 |
| 961 | 17-058 | 9 | 0 | 0 | 28 E. | 12 6 | A. | 2 | M.A. | 260 | 2.9 | 25 |
| 955 | 17-052 | | 8 | 0 | 2 E. | 12 6 | S. | 1 | R. | 356 | 3.6 | 32 |
| 972 | 17-121 | | 16 | 1 | 48 E. | 12 6 | H. | 1 | S. | 333 | 3.8 | 25 |
| 973 | 17-121 | | 24 | 1 | 19 E. | 12 6 | A. | 3 | A. | 400 | 4.2 | 25 |
| 967 | 17-118 | | 32 | 1 | 44 E. | 12 6 | G. | 2 | M.A. | 234 | 2.5 | 26 |
| 977 | 17-123 | | 40 | 2 | 5 E. | 12 6 | B. | 1 | S. | 255 | 2.6 | 27 |
| 978 | 17-123 | | 48 | 1 | 41 E. | 12 6 | B. | 4 | M. | 260 | 3.5 | 25 |
| 983 | 17-126 | 9 | 56 | 2 | 19 E. | 12 6 | R. | 1 | R. | 288 | 4.1 | 16 |
| 979 | 17-123 | 10 | 4 | 1 | 11 E. | 12 6 | G. | 2 | M.A. | 217 | 2.7 | 28 |
| 984 | 17-126 | | 12 | 2 | 6 E. | 12 6 | A. | 3 | A. | 322 | 3.8 | 24 |
| 985 | 17-126 | | 20 | 1 | 45 E. | 12 6 | R. | 3 | N. | 281 | 2.9 | 25 |
| 987 | 17-129 | | 28 | 0 | 43 E. | 12 6 | S. | 4 | M. | 251 | 3.1 | 20 |
| 992 | 17-131 | | 36 | 1 | 5 E. | 12 6 | A. | 1 | R. | 263 | 3.6 | 19 |
| 986 | 17-129 | | 44 | 1 | 28 E. | 12 6 | H. | 2 | M.A. | 179 | 2.3 | 21 |
| 988 | 17-129 | 10 | 52 | 0 | 21 E. | 12 6 | H. | 3 | A. | 220 | 3.2 | 29 |
| 989 | 17-129 | 11 | 0 | 0 | 1 E. | 12 6 | S. | 3 | N. | 243 | 3.2 | 21 |
| 990 | 17-129 | | 8 | 0 | 22 W. | 12 6 | H. | 4 | M. | 246 | 3.3 | 31 |
| 991 | 17-129 | | 16 | 0 | 42 W. | 12 6 | S. | 1 | S. | 233 | 3.4 | 18 |
| 1010 | 17-211 | | 24 | 0 | 32 E. | 12 6 | A. | 3 | A. | 150 | 2.1 | 24 |
| 994 | 17-131 | | 32 | 0 | 58 E. | 12 6 | A. | 1 | R. | 183 | 3.2 | 22 |
| 995 | 17-131 | | 40 | 0 | 32 E. | 12 6 | G. | 3 | N. | 171 | 2.2 | 17 |
| 1011 | 17-211 | | 48 | 1 | 1 E. | 12 6 | S. | 4 | M. | 183 | 2.4 | 23 |
| 996 | 17-131 | 11 | 56 | 0 | 21 E. | 12 6 | G. | 3 | A. | 211 | 2.9 | 22 |
| 1012 | 17-211 | 12 | 4 | 0 | 50 E. | 12 6 | A. | 2 | M.A. | 143 | 1.8 | 27 |
| 1017 | 17-216 | | 12 | 0 | 29 E. | 12 6 | R. | 4 | M. | 183 | 2.3 | 20 |
| 1013 | 17-211 | | 20 | 0 | 36 E. | 12 6 | S. | 1 | R. | 148 | 2.5 | 20 |
| 1018 | 17-216 | | 28 | 0 | 12 E. | 12 6 | S. | 3 | N. | 263 | 2.9 | 21 |
| 1019 | 17-216 | | 36 | 0 | 10 W. | 12 6 | R. | 4 | M. | 174 | 2.1 | 26 |
| 1027 | 17-288 | | 44 | 1 | 7 E. | 12 6 | S. | 3 | A. | 150 | 2.0 | 26 |
| 1028 | 17-288 | 12 | 52 | 0 | 45 E. | 12 6 | R. | 3 | A. | 133 | 2.0 | 24 |
| 1031 | 17-290 | 13 | 0 | 0 | 53 E. | 12 6 | A. | 1 | S. | 137 | 2.9 | 24 |
| 1020 | 17-216 | | 8 | 0 | 9 W. | 12 6 | S. | 4 | M. | 195 | 3.5 | 22 |
| 1029 | 17-288 | | 16 | 0 | 41 E. | 12 6 | H. | 3 | N. | 142 | 2.7 | 13 |
| 1030 | 17-288 | | 24 | 0 | 17 E. | 12 6 | R. | 3 | A. | 140 | 2.2 | 18 |
| 1039 | 17-298 | | 32 | 0 | 53 E. | 12 6 | B. | 1 | R. | 172 | 2.7 | 16 |
| 1021 | 17-216 | | 40 | 0 | 6 W. | 12 6 | R. | 1 | S. | 177 | 2.9 | 16 |
| 1032 | 17-290 | | 48 | 1 | 9 E. | 12 6 | A. | 4 | M. | 199 | 2.5 | 19 |
| 1033 | 17-296 | 13 | 56 | 1 | 0 E. | 12 6 | R. | 3 | N. | 193 | 2.6 | 13 |
| 1022 | 17-216 | 14 | 4 | 0 | 12 W. | 12 6 | S. | 3 | A. | 212 | 3.5 | 17 |
| 1034 | 17-296 | | 12 | 0 | 41 E. | 12 6 | S. | 1 | R. | 205 | 2.5 | 21 |
| 1035 | 17-296 | | 20 | 0 | 18 E. | 12 6 | R. | 1 | S. | 186 | 2.9 | 25 |
| 1040 | 17-298 | | 28 | 1 | 17 E. | 12 6 | A. | 4 | M. | 178 | 2.4 | 19 |
| 1036 | 17-296 | | 36 | 0 | 1 E. | 12 6 | S. | 3 | N. | 243 | 3.8 | 26 |
| 1044 | 17-378 | | 44 | 1 | 14 E. | 12 6 | N. | 3 | A. | 190 | 2.9 | 25 |
| 1042 | 17-298 | 14 | 52 | 0 | 43 E. | 12 6 | A. | 1 | R. | 158 | 2.1 | 25 |

List of Plates in Zone -19° (continued).

| No. of plate. | Year and fraction, 1900+. | R.A. of centre. | | Hour angle. | | Exposures. | Observer. | Instru-ment. | Measurer. | No. of stars. | Ratio to Schönfeld. | No. in A. G. C. (Algiers.) |
|---------------|---------------------------|-----------------|----|-------------|-------|------------|-----------|--------------|-----------|---------------|---------------------|----------------------------|
| | | h | m | h | m | m | | | | | | |
| 1045 | 17-378 | 15 | 0 | 1 | 0 E. | 12 6 | S. | 3 | N. | 200 | 2.5 | 26 |
| 1037 | 17-296 | | 8 | 0 | 0 | 12 6 | R. | 1 | S. | 146 | 1.8 | 30 |
| 1043 | 17-298 | | 16 | 0 | 39 E. | 12 6 | A. | 4 | M. | 216 | 2.7 | 20 |
| 1046 | 17-378 | | 24 | 0 | 53 E. | 12 6 | N. | 1 | R. | 218 | 2.1 | 25 |
| 1047 | 17-378 | | 32 | 0 | 29 E. | 12 6 | S. | 3 | A. | 251 | 2.4 | 34 |
| 1052 | 17-381 | | 40 | 0 | 54 E. | 12 6 | H. | 3 | N. | 259 | 2.7 | 29 |
| 1038 | 17-296 | | 48 | 0 | 10 E. | 12 6 | S. | 1 | S. | 249 | 3.5 | 19 |
| 1053 | 17-381 | 15 | 56 | 0 | 42 E. | 12 6 | R. | 1 | R. | 195 | 3.0 | 26 |
| 1054 | 17-381 | 16 | 4 | 0 | 20 E. | 12 6 | H. | 1 | M. | 142 | 2.8 | 23 |
| 1055 | 17-381 | - | 12 | 0 | 0 | 12 6 | R. | 4 | A. | 129 | 2.6 | 20 |
| 1215 | 18-194 | | 20 | 0 | 45 E. | 20 12 | A. | 3 | N. | 120 | 3.6 | 10 |
| 1208 | 18-189 | | 28 | 1 | 7 E. | 20 12 | M. | 1 | R. | 115 | 2.1 | 15 |
| 1025 | 17-230 | | 36 | 0 | 43 E. | 12 6 | S. | 4 | M. | 159 | 2.3 | 19 |
| 1049 | 17-378 | | 44 | 0 | 41 E. | 12 6 | S. | 4 | M. | 198 | 2.5 | 27 |
| 1056 | 17-381 | 16 | 52 | 0 | 8 E. | 12 6 | H. | 1 | R. | 211 | 2.1 | 28 |
| 1050 | 17-378 | 17 | 0 | 0 | 27 E. | 12 6 | N. | 3 | A. | 341 | 2.8 | 34 |
| 1059 | 17-383 | | 8 | 0 | 54 E. | 12 6 | N. | 3 | N. | 327 | 2.7 | 34 |
| 1057 | 17-381 | | 16 | 0 | 4 E. | 12 6 | R. | 1 | S. | 305 | 3.4 | 32 |
| 1060 | 17-383 | | 24 | 0 | 18 E. | 12 6 | S. | 4 | M. | 230 | 2.3 | 23 |
| 1051 | 17-378 | | 32 | 0 | 29 E. | 12 6 | S. | 1 | R. | 365 | 4.4 | 31 |
| 1209 | 18-189 | | 40 | 1 | 28 E. | 20 12 | M. | 1 | S. | 327 | 4.0 | 22 |
| 1066 | 17-402 | | 48 | 1 | 10 E. | 12 8 | A. | 3 | A. | 432 | 2.5 | 39 |
| 1061 | 17-383 | 17 | 56 | 0 | 20 E. | 12 6 | N. | 4 | M. | 489 | 3.4 | 48 |
| 1067 | 17-402 | 18 | 4 | 0 | 53 E. | 12 6 | A. | 3 | N. | 1136 | 6.5 | 49 |
| 1068 | 17-402 | | 12 | 0 | 30 E. | 12 6 | G. | 3 | A. | 1355 | 10.2 | 57 |
| 1236 | 18-520 | | 20 | 0 | 50 E. | 20 12 | M. | 1 | S. | 379 | 3.1 | 40 |
| 1241 | 18-523 | | 28 | 0 | 13 E. | 20 12 | G. | 1 | R. | 370 | 3.3 | 38 |
| 1261 | 18-652 | | 36 | 0 | 25 E. | 24 18 | B. | 4 | M. | 429 | 3.0 | 31 |
| 1245 | 18-526 | | 44 | 0 | 28 E. | 20 12 | M. | 3 | A. | 248 | 2.0 | 45 |
| 1242 | 18-523 | 18 | 52 | 0 | 3 E. | 20 12 | G. | 4 | M. | 344 | 2.8 | 43 |
| 1271 | 18-810 | 19 | 0 | 1 | 56 W. | 20 20 | B. | 1 | R. | 380 | 2.8 | 36 |
| 1270 | 18-808 | | 8 | 1 | 48 W. | 20 16 | B. | 3 | N. | 377 | 2.5 | 40 |
| 1285 | 18-890 | | 16 | 3 | 17 W. | 20 17 | B. | 1 | R. | 578 | 4.0 | 54 |
| 1262 | 18-652 | | 24 | 0 | 16 E. | 24 16 | A. | 3 | A. | 353 | 3.0 | 37 |
| 1276 | 18-821 | | 32 | 1 | 41 W. | 20 20 | B. | 1 | R. | 506 | 4.7 | 34 |
| 1274 | 18-816 | | 40 | 1 | 30 W. | 21 18 | B. | 3 | A. | 290 | 2.6 | 29 |
| 1278 | 18-824 | | 48 | 1 | 28 W. | 24 20 | M. | 3 | A. | 354 | 3.4 | 34 |
| 1292 | 18-925 | 19 | 56 | 3 | 28 W. | 20 20 | B. | 1 | R. | 231 | 2.5 | 28 |
| 1283 | 18-852 | 20 | 4 | 1 | 42 W. | 24 20 | A. | 3 | A. | 437 | 4.8 | 30 |
| 1263 | 18-652 | | 12 | 0 | 14 E. | 24 20 | B. | 1 | R. | 246 | 2.7 | 30 |
| 1291 | 18-923 | | 20 | 3 | 28 W. | 20 16 | B. | 3 | A. | 234 | 2.8 | 35 |
| 1295 | 18-934 | | 28 | 3 | 4 W. | 24 20 | N. | 3 | N. | 350 | 3.5 | 24 |
| 1233 | 18-460 | | 36 | 0 | 23 W. | 20 12 | B. | 3 | A. | 253 | 3.0 | 36 |
| 1133 | 17-852 | | 44 | 1 | 11 W. | 20 10 | B. | 3 | A. | 307 | 3.9 | 26 |
| 1297 | 18-945 | 20 | 52 | 2 | 55 W. | 20 16 | B. | 1 | S. | 365 | 4.0 | 29 |
| 1234 | 18-460 | 21 | 0 | 0 | 44 W. | 20 12 | M. | 4 | M. | 177 | 2.1 | 25 |
| 1296 | 18-942 | | 8 | 2 | 40 W. | 20 16 | B. | 3 | A. | 261 | 3.9 | 21 |
| 1277 | 18-821 | | 16 | 1 | 2 W. | 20 20 | B. | 3 | N. | 275 | 4.1 | 22 |
| 1279 | 18-824 | | 24 | 0 | 54 W. | 24 20 | A. | 3 | A. | 285 | 3.9 | 22 |
| 1284 | 18-852 | 21 | 32 | 1 | 18 W. | 24 20 | A. | 1 | R. | 302 | 5.7 | 26 |

List of Plates in Zone -19° (continued).

| No. of plate. | Year and fraction, 1900+. | R.A. of centre. | | Hour angle. | | Exposures. | Observer. | Instrument. | Measurer. | No. of stars. | Ratio to Schonfeld. | No. in A.G.C. (Algiers). |
|---------------|---------------------------|-----------------|----|-------------|-------|------------|-----------|-------------|-----------|---------------|---------------------|--------------------------|
| | | h | m | h | m | | | | | | | |
| 1280 | 18-827 | 21 | 40 | 0 | 34 W. | 24 16 | A. | 3 | N. | 282 | 5.0 | 24 |
| 1134 | 17-852 | | 48 | 0 | 56 W. | 20 16 | N. | 3 | A. | 238 | 4.3 | 23 |
| 1286 | 18-890 | 21 | 56 | 1 | 36 W. | 20 16 | R. | 3 | N. | 173 | 3.1 | 21 |
| 1141 | 17-876 | 22 | 4 | 0 | 44 W. | 20 10 | M. | 4 | M. | 218 | 3.9 | 23 |
| 1148 | 17-917 | | 12 | 1 | 5 W. | 20 12 | P. | 3 | N. | 137 | 2.7 | 12 |
| 1151 | 17-920 | | 20 | 1 | 4 W. | 20 10 | H. | 3 | A. | 190 | 3.0 | 19 |
| 1155 | 17-923 | | 28 | 1 | 15 W. | 20 10 | S. | 1 | S. | 151 | 3.0 | 24 |
| 1146 | 17-914 | | 36 | 0 | 49 W. | 18 10 | S. | 4 | M. | 146 | 2.3 | 21 |
| 1138 | 17-854 | | 44 | 0 | 31 W. | 20 10 | M. | 1 | R. | 157 | 2.5 | 21 |
| 1135 | 17-852 | 22 | 52 | 0 | 48 W. | 20 10 | N. | 3 | N. | 194 | 3.1 | 16 |
| 1129 | 17-849 | 23 | 0 | 0 | 32 W. | 20 10 | G. | 1 | R. | 143 | 2.7 | 23 |
| 1147 | 17-914 | | 8 | 1 | 38 W. | 20 10 | S. | 1 | S. | 138 | 2.8 | 22 |
| 1109 | 17-786 | | 16 | 0 | 9 E. | 18 10 | G. | 4 | M. | 157 | 3.0 | 22 |
| 1143 | 17-876 | | 24 | 0 | 55 W. | 20 10 | M. | 4 | M. | 163 | 3.1 | 15 |
| 1281 | 18-827 | | 32 | 0 | 13 E. | 20 16 | A. | 1 | R. | 148 | 3.0 | 16 |
| 1124 | 17-846 | | 40 | 0 | 11 W. | 20 10 | M. | 3 | A. | 182 | 2.9 | 15 |
| 1282 | 18-827 | | 48 | 0 | 24 W. | 24 16 | A. | 3 | A. | 182 | 3.1 | 21 |
| 1110 | 17-786 | 23 | 56 | 0 | 19 E. | 18 10 | S. | 4 | M. | 172 | 3.8 | 15 |

The total number of star images measured is 58,743.

IV.—MEASUREMENT OF THE PHOTOGRAPHS.

See Introduction to Vol. I. p. xiii.

V.—DETERMINATION OF PHOTOGRAPHIC MAGNITUDES.

At the same time the rectangular co-ordinates are measured, an estimate is made of the diameter of the star image. The sum of the estimates made in the two positions of the plate is given in the second column under the heading of Catalogue. The unit is thus $\frac{1}{2.678}$ of a réseau interval, or 0".15, as at Greenwich.

The general formula adopted provisionally is

$$m = a - b\sqrt{d},$$

where d is the diameter (sum of the two estimates) and a and b are certain constants.

The value of b for plates in the present volume is taken throughout as 1.09. The magnitudes of the reference stars are given in the Algiers Catalogue on a scale similar to that of the B.D. By counting the number of stars under the different headings, these magnitudes were converted so as to conform to a scale comparable with that of Chapman and Melotte. These revised magnitudes were then substituted in the above formula and the value of a determined for each star on the plate. The mean value of a thus determined for each plate adopted.

A table for converting measured diameter into magnitudes is given on pp. xlv and xlvii.

VI.—MEASURES OF POSITION.

PERSONALITY OF MEASURER.

The personality of the measurer is determined for each plate as the work proceeds, in the same manner as at Oxford. A full discussion will be found in the *Monthly Notices of the R.A.S.*, vol. lvii. p. 621.

The mean excess of the R measure (Reversed) over the D measure is tabulated below in units of 0".03.

The error of bisection is one half of the quantity R—D given in the table.

| Measurer. | Limiting plate Nos. | Period. | Mean R—D. | | No. of plates. |
|-----------|---------------------|-----------------------------|-----------|----|----------------|
| | | | x. | y. | |
| M. . . . | Whole zone | 1917 January—1918 September | + 3 | +2 | 36 |
| N. . . . | Whole zone | 1917 January—1918 December | — 5 | +6 | 26 |
| A. . . . | 901—984 | 1917 January—1917 June | — 1 | —2 | 19 |
| | 988—1068 | 1917 June—1917 September | — 3 | +2 | 13 |
| | 1133—1282 | 1918 January—1918 December | — 5 | —1 | 14 |
| R. . . . | 888—892 | 1917 January | — 2 | —8 | 4 |
| | 904—1051 | 1917 January—1917 August | 0 | +1 | 23 |
| | 1138—1281 | 1918 January—1919 January | — 2 | +5 | 11 |
| S. . . . | 882—914 | 1917 January—1917 March | — 8 | +3 | 11 |
| | 947—1035 | 1917 April—1917 July | 0 | 0 | 8 |
| | 1037—1236 | 1917 August—1918 July | 0 | +4 | 7 |
| | 1297 | 1918 December | + 1 | —7 | 1 |
| M.A. . . | 854—961 | 1917 January—1917 May | +11 | +6 | 3 |
| | 967—1012 | 1917 May—1917 July | +14 | —5 | 4 |

PROBABLE ERROR OF MEASURES.

See Introduction to Vol. I. pp. xvi—xvii, and Introduction to Vol. II. p. xv.

ERRORS OF RÉSEAUX.

As stated above, three different réseaux were used for plates adopted for this zone.

The Oxford Gautier réseau, which was used for the great majority of plates, has the line $y=3$ displaced. The displacement is parallel to the true direction and amounts to -0.158 of a réseau interval. In the case of stars lying between the lines $y=2$ and $y=4$, the focal length of the measuring microscope is altered after the

x co-ordinates have been measured in order to measure the y co-ordinates. The means of the two measures so made in different positions of the plate are then corrected; for stars for which $3 > y > 2$, the correction is $-.0158 (y-2)$, and for stars for which $4 > y > 3$ the correction is $-.0158 (4-y)$; the correction is easily applied by means of a small table; thus when y lies between 2.601 and 2.665, subtract 0.010, and when y lies between 3.601 and 3.665, subtract 0.006. The corrected measures are given in the catalogue. The remaining errors of this réseau have been treated as small accidental errors; the errors of the other two réseaux employed in this zone have also been treated similarly. The error of inclination of the lines in the National Physical Laboratory réseau is, as mentioned above, absorbed in the plate constants.

VII.—PLATE CONSTANTS.

The plate constants were determined by the method and formulæ given by Professor Turner in *Mon. Not. R.A.S.*, vol. liv. p. 11. The rigorous formulæ there given were modified in practice as approximate formulæ, more convenient for the formation of tables. See the next section, pp. xix to xxiii.

The reference stars for plates in the present volume were taken from the Algiers Astronomische Gesellschaft Catalogue. This catalogue is yet unpublished, but a typewritten copy was kindly lent to us by the Director of the Paris Observatory. The positions of stars in this catalogue are given for 1900.0, the epoch of the Astrographic Catalogue. After the plate constants have been determined, they are used to correct the Hyderabad places for comparison with Algiers, the residuals (Hyderabad-Algiers) so obtained being entered in ledgers. Except in the case of known proper motion stars, the residuals are generally small, scarcely any exceeding three seconds of arc; a number of errors have been detected, most of which probably exist only in the typewritten copy and are absent from the original manuscript.

The method of computing the provisional constants is fully explained in the Introduction to the Oxford Astrographic Catalogue, vol. i. p. xxxvii.; but for convenience of reference it is described briefly below.

The R.A.'s and Declinations of stars in the Algiers A.G. Catalogue were first converted into standard co-ordinates by methods explained in the next section. A catalogue of these standard co-ordinates is given on pp. 179 to end of this volume. An approximate solution was then formed for each plate, generally by consideration of four stars only. The scale value was always taken as $-.01750$ or $-.02500$ [the former when the Gautier réseau belonging to the Kodaikanal Observatory was used, and the latter when either the Oxford Gautier réseau No. 5 or the National Physical Laboratory réseau was used]; the other constants were chosen to be numbers convenient for computation.

Now, if ξ, η represent standard co-ordinates referred to the plate centre as origin, and α, δ , R.A. and Declination, A, D , the R.A. and Declination of the plate centre, we have

$$\begin{aligned}\xi &= k \tan (\alpha-A) \sec (\theta-D) \cos \theta, \\ \eta &= k \tan (\theta-D), \\ \tan \theta &= \sec (\alpha-A) \tan \delta, \\ k &= 687.549 \text{ (reciprocal of circular measure of } 5').\end{aligned}$$

Then if $\xi' = \xi + 13$, $\eta' = \eta + 13$; ξ', η' represent standard co-ordinates referred to the corner of the réseau, and if $\Delta\xi', \Delta\eta'$ represent the correction calculated by means of the above approximate solution,

$$x' = \xi' + \Delta\xi', \quad y' = \eta' + \Delta\eta'.$$

If x, y represent the actual measures, we can form the differences $x-x', y-y'$ for each star on the plate. The stars are then divided into four groups (two by the line $x=13.0$ and two by the line $y=13.0$), and the mean values of $x, x-x', y, y-y'$ are found for each of these groups. We thus get four pairs of equations of the type

$$ax + by + c = x - x', \quad dx + ey + f = y - y',$$

from which the six constants a, b, c, d, e, f can be computed.

Now, to combine this second solution with the first approximate solution into a single formula, we have the following pairs of equations:

$$\begin{aligned}x' &= \xi' + A'\xi' + B'\eta' + C, & y' &= \eta' + D'\xi' + E'\eta' + F, \\ x &= x' + ax + by + c, & y &= y' + dx + ey + f, \\ \xi' &= x - Ax - By - c, & \eta' &= y - Dx - Ey - F,\end{aligned}$$

where $A' B' \dots$ are the constants of the "Approximate Solution" and $A' B' \dots$ those of the final solution.

It is readily seen that the two sets of constants are connected by the relations

$$\begin{aligned}A &= A' + a - A'(A' + a) - B'(D' + d), \\ B &= B' + b - A'(B' + b) - B'(E' + e), \\ C &= C' + c - A'(C' + c) - B'(F' + f), \\ D &= D' + d - E'(D' + d) - D'(A' + a), \\ E &= E' + e - E'(E' + e) - D'(B' + b), \\ F &= F' + f - E'(F' + f) - D'(C' + c).\end{aligned}$$

The corrections to the sums $A' + a, B' + b$, etc., are small, and are easily applied.

Finally, we have the equations

$$\xi = x - 13 - Ax - By - C, \quad \eta = y - 13 - Dx - Ey - F,$$

connecting the standard co-ordinates with the measures by means of the provisional constants.

Theoretically, when provisional constants are corrected for refraction (see below) we should have $A=E$ and $B+D=0$, or in the case of plates between 1140 and 1168, a small positive quantity; where these relations are not satisfied, it generally happens that the reference stars are not uniformly distributed over the plate, though it is not possible to account in this way for all the abnormal results.

Accurate formulæ for the effects of differential refraction are given in the *Monthly Notices of the R.A.S.*, vol. lvii. p. 135.

If β_0 is the coefficient of refraction, X, Y the co-ordinates of the zenith supposed projected on the plate, and x, y measured in terms of the focal length of the telescope as unit, the corrections to be applied to x, y are, neglecting terms beyond the first order,

$$\Delta x = \beta_0(1+X^2) \cdot x + \beta_0 \cdot X \cdot Y \cdot y; \quad \Delta y = \beta_0 XYx + \beta_0(1+Y^2) \cdot y.$$

These corrections are tabulated below.

Zone -19° .—Correction for Refraction in Units of .000001.

| Hour angle. | $\beta_0(1+X^2)$. | $\beta_0 XY$. | $\beta_0(1+Y^2)$. | Hour angle. | $\beta_0(1+X^2)$. | $\beta_0 XY$. | $\beta_0(1+Y^2)$. |
|-------------|--------------------|----------------|--------------------|-------------|--------------------|----------------|--------------------|
| h m | | | | h m | | | |
| 0 0 | 283 | 0 | 437 | 1 44 | 380 | 131 | 459 |
| 8 | 284 | 8 | 438 | 1 52 | 399 | 145 | 464 |
| 16 | 285 | 17 | 438 | 2 0 | 421 | 160 | 468 |
| 24 | 288 | 26 | 438 | 8 | 445 | 175 | 473 |
| 32 | 291 | 35 | 439 | 16 | 473 | 193 | 479 |
| 40 | 295 | 44 | 440 | 24 | 506 | 212 | 486 |
| 48 | 301 | 53 | 441 | 32 | 543 | 233 | 493 |
| 0 56 | 308 | 63 | 443 | 40 | 585 | 257 | 501 |
| 1 4 | 316 | 73 | 445 | 48 | 634 | 283 | 506 |
| 12 | 325 | 83 | 447 | 2 56 | 692 | 313 | 522 |
| 20 | 336 | 95 | 449 | 3 4 | 759 | 346 | 535 |
| 28 | 349 | 106 | 452 | 12 | 839 | 385 | 550 |
| 1 36 | 364 | 118 | 455 | 3 20 | 933 | 429 | 567 |

Thus the corrections at hour angle $2^h 0^m$ are

$$\Delta x = +.000421x \mp .000160y,$$

$$\Delta y = \mp .000160x + .000468y,$$

the upper sign to be taken when the plates are taken west of the meridian.

The corrections for differential aberration are—

$$\begin{aligned}\Delta x &= +K \cos CW \cdot x, \\ \Delta y &= +K \cos CW \cdot y,\end{aligned}$$

where C is the plate centre and W is the point on the Ecliptic to which the Earth tends. We have

$$K \cos CW = 0.000100 \{-0.40 \sin D \cos \odot - 0.96 \cos D \sin (A - \odot)\},$$

where \odot is the sun's longitude, neglecting a term $0.000004 \cos D \sin (A + \odot)$.

For the plates in the present volume $D = -19^\circ$, and therefore

$$K \cos CW = +0.000013 \cos \odot - 0.00091 \sin (A - \odot).$$

It will make very little difference if we substitute the sun's R.A. for longitude, and then for a plate taken on the meridian at midnight $A - \odot = 180^\circ$, and the second term vanishes. For plates taken on the meridian at other times, the second term has the following values (unit 0.000001):—

| | | | | | | | | | | | | |
|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 6 ^h . | 7 ^h . | 8 ^h . | 9 ^h . | 10 ^h . | 11 ^h . | 12 ^h . | 13 ^h . | 14 ^h . | 15 ^h . | 16 ^h . | 17 ^h . | 18 ^h . |
| -91 | -88 | -79 | -65 | -46 | -24 | 0 | +24 | +46 | +65 | +79 | +88 | +91 |

The first term has the following values at the middle of each month in units of 0.000001 :—

| | | | | | | | | | | | |
|------|------|------|------|------|-------|-------|------|-------|------|------|------|
| Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. |
| +5 | +11 | +13 | +12 | +7 | +1 | -5 | -10 | -13 | -12 | -8 | -1 |

Thus the x and y measures made on a plate taken at 16 hours in September require the corrections $+0.000066x$, and $+0.000066y$ respectively for aberration.

VIII.—DETERMINATION OF A STAR'S STANDARD CO-ORDINATES FROM ITS RIGHT ASCENSION AND DECLINATION: AND OF ITS R.A. AND DECLINATION FROM ITS MEASURED CO-ORDINATES.

From the provisional constants given at the head of each plate, the standard co-ordinates of a star are obtained from the measures by the formulæ

$$\begin{aligned}\xi &= x - 13 - Ax - By - C, \\ \eta &= y - 13 - Dx - Ey - F.\end{aligned}$$

The name "standard co-ordinates," introduced by Professor Turner (*Monthly*

Now if for $\log (2513.091 - \eta)$ we write $\log (2513.100 - \eta)$, we can read the values of this term for $\eta = 0.0, 0.1, 0.2 \dots$ directly from the tables without interpolation. Representing the corresponding value of D by D_0 , which is very nearly the same as D , we have

$$\sin D (k \cot D - \eta) = \sin D \cdot \frac{k \cot D - \eta}{k \cot D_0 - \eta} (k \cot D_0 - \eta),$$

in the fractional term of which we may give η its mean value, zero, to a very close approximation, thus we get the form (2).

Table V. gives the values of $\log (1 + \frac{1}{3}\mu^2 \cdot X^2)$, and is the same for all zones,

Table III. gives the values of $[\text{const.} + \log \{\mu \cos D \cdot \tan D_0 (k \cot D_0 - \eta)\}]$ for multiples of 0.1000, and

Table IV. gives the corrections for the fractional part of η beyond the first decimal place.

Thus ξ is found from the formulæ

$$\begin{aligned} \log \xi &= \log X + \text{Table III. (Arg. } \eta \text{ to } 0.1) \\ &+ \text{Table IV. (Arg. fractional part of } \eta \text{ beyond the 1st decimal place)} \\ &+ \text{Table V. (Arg. } X) \end{aligned}$$

(ii.) Without logarithms.—When X is constant we have $\xi = M - N \cdot \eta$, so that the differences in η are constant. When η is constant we have $\xi = MX (1 + \frac{1}{3}\mu^2 \cdot X^2)$, so that the differences are not quite uniform; but if we have a sufficiently extended table for X we can safely interpolate, as Tables IX. and X. will show.

It is to be noted that in these tables, the above formula has been transformed from (X, η) to (X, Y) .

As an example of both methods of calculation take the star A.G.C. Algiers 9996, whose standard co-ordinates are given on p. 181.

| | R.A. | Declination. |
|------------------------|---|-------------------------------------|
| Algiers 9996 | 23 ^h 59 ^m 46 ^s .03 | -19° 58' 8".7 (1900.0) |
| Plate centre | 0 ^h 4 ^m 0 ^s | -19° 0' 0" (1900.0) |
| . . . $X = -12.6985$ | | $Y = +11.6290$ |
| Y | $= +11.6290$ | $\log X = 11.103752$ |
| Table I. $= +$ | 361 | Table III. $= 9.973118$ |
| Table II. $= +$ | 26 | Table IV. $= 7$ |
| | | Table V. $= 49$ |
| $\eta = \text{sum}$ | $= +11.6677$ | $\log \xi = \text{sum} = 11.076926$ |
| $\eta' = \eta + 13$ | $= 24.6677$ | $\xi = -11.9378$ |
| | | $\xi' = 13 + \xi = +1.0622$ |

Without logarithms, the computation for ξ would stand thus; since Y is positive, we refer to Table X., which is headed $\xi = X - \frac{1}{20} X - \frac{1}{240} X$ —following table, hence we have

$$\begin{array}{rcl}
 & X = & -12.6985 \\
 - \frac{1}{20} X = & + & .6349 \\
 - \frac{1}{240} X = & + & .0529 \\
 - \text{Table} = & + & .0728 \\
 \hline
 & \xi = & -11.9379 \\
 \therefore \xi' = 13 + \xi = & + & 1.0621
 \end{array}$$

To obtain R.A. and Declination from the measures. First form the standard co-ordinates by means of the formulæ

$$\begin{array}{l}
 \xi = X - 13 - Ax - By - C, \\
 \eta = Y - 13 - Dx - Ey - F.
 \end{array}$$

Then by the first method we have

$$\begin{array}{l}
 \log X = \log \xi \\
 + \text{Table VI. (Arg. } \xi). \\
 + \text{Table VII. (Arg. } \eta \text{ to } 0.1). \\
 + \text{Table VIII. (Arg. remainder of } \eta).
 \end{array}$$

With the value of X so obtained we can form η —Table I., and so find a sufficiently approximate value of Y to enter Table II.

As an example take the same star as before, viz. Hyderabad $-19^\circ.184$, whose measures are given on page 3 of the present volume.

| | | | | | |
|-------------|---|-------------------------------------|-----------|---|------------|
| x | = | 1.386 | y | = | 23.864 |
| $-Ax$ | = | + .35 | $-Dx$ | = | + .9 |
| $-By$ | = | - .155 | $-Ey$ | = | + .610 |
| $-C$ | = | - .207 | $-F$ | = | + .181 |
| ξ' | = | 1.059 | η' | = | 24.664 |
| ξ | = | -11.941 | η | = | 11.664 |
| $\log \xi$ | = | 1.077041 | Table I. | = | - .0361 |
| Table VI. | = | + .9 | Table II. | = | 26 |
| Table VII. | = | + .026781 | | | |
| Table VIII. | = | + .36 | | | |
| sum | = | 1.103867 | | | |
| X | = | -12.7019 | Y | = | +11.625 |
| | = | -4 ^m 14 ^s .04 | | = | +58' 7".6. |

The co-ordinates of the plate centre being $0^h 4^m, -19^\circ$, the R.A. and Declination of the star for 1900.0 are—

$$23^h 59^m 45^s.96 \qquad -19^\circ 58' 7''.6.$$

The small differences between these values and those given above are the differences between the Hyderabad photographic place and the Algiers meridian place, and are the sum of—

- (1) Accidental or systematic errors in the meridian place.
- (2) Accidental or systematic errors in the photographic place, including the effect of (1) on the provisional constants of the plate.
- (3) Proper motion between the epochs of the two observations.

It is to be noted that the computation of ξ', η' from x, y above is made to only three places of decimals. With the large scale value which has been inevitable with the Hyderabad plates, it would require a little care to calculate to the fourth place accurately; since the measures are made only to three places, the extra labour is scarcely justified, and will seldom make a difference of as much as one unit in the third decimal place.

Without the use of logarithms the computation for X stands as follows:—

Since η is positive, we refer to Table XII., the precept at the head of which is $X = \xi + \frac{1}{20} \cdot \xi + \frac{1}{140} \cdot \xi + \text{following table.}$

$$\begin{array}{rcl} & \xi = & -11.9410 \\ + \frac{1}{20} \xi = & & .5970 \\ + \frac{1}{140} \xi = & & .0853 \\ + \text{Table XII.} = & & .0785 \\ \hline X = & & -12.7018 \end{array}$$

Differences of one or two units in the fourth place, when different methods of computation are used, are unavoidable, and may be neglected.

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HYDERABAD ASTROGRAPHIC CATALOGUE

T A B L E S

FOR THE CONVERSION OF

R.A. AND DEC. INTO STANDARD CO-ORDINATES

AND OF

STANDARD CO-ORDINATES INTO R.A. AND DEC.

FOR PLATES WITH CENTRES IN

DEC. -19°

BOTH WITH AND WITHOUT LOGARITHMS

TABLE I.—For $D = -19^\circ$.

$$\Delta_1 Y = \frac{\mu}{4} \sin 2D. X^2 = .0002239 \cdot X^2.$$

Always additive to Y to get γ . Always subtractive from γ to get Y.

$\Delta_2 Y$ is given in Table II.

| X. | $\Delta_1 Y$. | X. | $\Delta_1 Y$. | X. | $\Delta_1 Y$. | X. | $\Delta_1 Y$. |
|---------|----------------|-----|----------------|------|----------------|------|----------------|
| 0.0-0.4 | .0000 | 4.0 | .0036 | 7.7 | .0133 | 11.4 | .0291 |
| 0.5 | .0001 | 4.1 | .0038 | 7.8 | .0136 | 11.5 | .0296 |
| 0.6 | .0001 | 4.2 | .0040 | 7.9 | .0140 | 11.6 | .0301 |
| 0.7 | .0001 | 4.3 | .0041 | 8.0 | .0143 | 11.7 | .0307 |
| 0.8 | .0001 | 4.4 | .0043 | 8.1 | .0147 | 11.8 | .0312 |
| 0.9 | .0002 | 4.5 | .0045 | 8.2 | .0151 | 11.9 | .0317 |
| 1.0 | .0002 | 4.6 | .0047 | 8.3 | .0154 | 12.0 | .0322 |
| 1.1 | .0003 | 4.7 | .0050 | 8.4 | .0158 | 12.1 | .0328 |
| 1.2 | .0003 | 4.8 | .0052 | 8.5 | .0162 | 12.2 | .0333 |
| 1.3 | .0004 | 4.9 | .0054 | 8.6 | .0166 | 12.3 | .0339 |
| 1.4 | .0004 | 5.0 | .0056 | 8.7 | .0169 | 12.4 | .0344 |
| 1.5 | .0005 | 5.1 | .0058 | 8.8 | .0173 | 12.5 | .0350 |
| 1.6 | .0006 | 5.2 | .0061 | 8.9 | .0177 | 12.6 | .0356 |
| 1.7 | .0007 | 5.3 | .0063 | 9.0 | .0181 | 12.7 | .0361 |
| 1.8 | .0007 | 5.4 | .0065 | 9.1 | .0185 | 12.8 | .0367 |
| 1.9 | .0008 | 5.5 | .0068 | 9.2 | .0190 | 12.9 | .0373 |
| 2.0 | .0009 | 5.6 | .0070 | 9.3 | .0194 | 13.0 | .0378 |
| 2.1 | .0010 | 5.7 | .0073 | 9.4 | .0198 | 13.1 | .0384 |
| 2.2 | .0011 | 5.8 | .0075 | 9.5 | .0202 | 13.2 | .0390 |
| 2.3 | .0012 | 5.9 | .0078 | 9.6 | .0206 | 13.3 | .0396 |
| 2.4 | .0013 | 6.0 | .0081 | 9.7 | .0211 | 13.4 | .0402 |
| 2.5 | .0014 | 6.1 | .0083 | 9.8 | .0215 | 13.5 | .0408 |
| 2.6 | .0015 | 6.2 | .0086 | 9.9 | .0219 | 13.6 | .0414 |
| 2.7 | .0016 | 6.3 | .0089 | 10.0 | .0224 | 13.7 | .0420 |
| 2.8 | .0018 | 6.4 | .0092 | 10.1 | .0228 | 13.8 | .0426 |
| 2.9 | .0019 | 6.5 | .0095 | 10.2 | .0233 | 13.9 | .0433 |
| 3.0 | .0020 | 6.6 | .0098 | 10.3 | .0237 | 14.0 | .0439 |
| 3.1 | .0022 | 6.7 | .0101 | 10.4 | .0242 | 14.1 | .0445 |
| 3.2 | .0023 | 6.8 | .0104 | 10.5 | .0247 | 14.2 | .0451 |
| 3.3 | .0024 | 6.9 | .0107 | 10.6 | .0252 | 14.3 | .0458 |
| 3.4 | .0026 | 7.0 | .0110 | 10.7 | .0256 | 14.4 | .0464 |
| 3.5 | .0027 | 7.1 | .0113 | 10.8 | .0261 | 14.5 | .0471 |
| 3.6 | .0029 | 7.2 | .0116 | 10.9 | .0266 | 14.6 | .0477 |
| 3.7 | .0031 | 7.3 | .0119 | 11.0 | .0271 | 14.7 | .0484 |
| 3.8 | .0032 | 7.4 | .0123 | 11.1 | .0276 | 14.8 | .0491 |
| 3.9 | .0034 | 7.5 | .0126 | 11.2 | .0281 | 14.9 | .0497 |
| | | 7.6 | .0129 | 11.3 | .0286 | 15.0 | .0504 |

TABLE II.—For $D = -19^\circ$.

$$\Delta_2 Y = \frac{1}{6} \mu^2 (2Y^3 + 3X^2 Y \cos 2D) = .000000705 \cdot Y^3 + .000000834 \cdot X^2 \cdot Y.$$

Additive to Y with same sign as Y to get η . Additive to η with opposite sign to η to get Y .

| $\frac{Y}{\text{or } \eta}$ | $\frac{X}{\text{or } \eta}$ | 0. | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 10.5. | 11. | 11.5. | 12. | 12.5. | 13. | 13.5. | 14. | 14.5. | $\frac{X}{\text{or } \eta}$ |
|-----------------------------------|-----------------------------|----|----|----|----|----|----|----|----|----|----|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----------------------------|
| Unit = .0001 of a Rseau Interval. | | | | | | | | | | | | | | | | | | | | | | |
| R.I. | | | | | | | | | | | | | | | | | | | | | | R.I. |
| 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.5 |
| 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1.0 |
| 1.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1.5 |
| 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 2.0 |
| 2.5 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 2.5 |
| 3.0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 3.0 |
| 3.5 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 3.5 |
| 4.0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 4.0 |
| 4.5 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 4.5 |
| 5.0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 10 | 10 | 5.0 |
| 5.5 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 10 | 11 | 11 | 5.5 |
| 6.0 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 12 | 6.0 |
| 6.5 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 10 | 10 | 11 | 12 | 12 | 13 | 13 | 6.5 |
| 7.0 | 2 | 2 | 3 | 3 | 3 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 13 | 14 | 15 | 15 | 7.0 |
| 7.5 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 13 | 14 | 15 | 16 | 16 | 7.5 |
| 8.0 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 18 | 8.0 |
| 8.5 | 4 | 4 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 14 | 15 | 16 | 17 | 18 | 19 | 19 | 8.5 |
| 9.0 | 5 | 5 | 5 | 6 | 6 | 7 | 8 | 9 | 10 | 11 | 13 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 21 | 9.0 |
| 9.5 | 6 | 6 | 6 | 7 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 23 | 9.5 |
| 10.0 | 7 | 7 | 7 | 8 | 8 | 9 | 10 | 11 | 12 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 24 | 10.0 |
| 10.5 | 8 | 8 | 9 | 9 | 10 | 10 | 11 | 12 | 14 | 15 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 26 | 10.5 |
| 11.0 | 9 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 17 | 18 | 19 | 20 | 21 | 22 | 24 | 25 | 26 | 27 | 29 | 29 | 11.0 |
| 11.5 | 11 | 11 | 11 | 12 | 12 | 13 | 14 | 15 | 17 | 18 | 20 | 21 | 22 | 23 | 24 | 26 | 27 | 28 | 29 | 31 | 31 | 11.5 |
| 12.0 | 12 | 12 | 13 | 13 | 14 | 15 | 16 | 17 | 19 | 20 | 22 | 23 | 24 | 25 | 26 | 28 | 29 | 30 | 32 | 33 | 33 | 12.0 |
| 12.5 | 14 | 14 | 14 | 15 | 15 | 16 | 17 | 19 | 20 | 22 | 24 | 25 | 26 | 27 | 29 | 30 | 31 | 33 | 34 | 36 | 36 | 12.5 |
| 13.0 | 15 | 16 | 16 | 16 | 17 | 18 | 19 | 21 | 22 | 24 | 26 | 27 | 28 | 30 | 31 | 32 | 34 | 35 | 37 | 38 | 38 | 13.0 |

For $D = -19^\circ$ and η Positive.Add to log. X (with Table V.) to get log. ξ .

TABLE III.

Argument, η to 0.1 . Not to be interpolated.

| η . | | .0. | .1. | .2. | .3. | .4. | .5. | .6. | .7. | .8. | .9. |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| +12 | 9.97 | 3030 | 3008 | 2986 | 2964 | 2943 | 2921 | 2899 | 2877 | 2855 | 2833 |
| +11 | 9.97 | 3249 | 3227 | 3205 | 3183 | 3161 | 3139 | 3118 | 3096 | 3074 | 3052 |
| +10 | 9.97 | 3468 | 3446 | 3424 | 3402 | 3380 | 3358 | 3336 | 3314 | 3293 | 3271 |
| +9 | 9.97 | 3686 | 3664 | 3642 | 3620 | 3599 | 3577 | 3555 | 3533 | 3511 | 3489 |
| +8 | 9.97 | 3904 | 3883 | 3861 | 3839 | 3817 | 3795 | 3773 | 3752 | 3730 | 3708 |
| +7 | 9.97 | 4123 | 4101 | 4079 | 4057 | 4035 | 4014 | 3992 | 3970 | 3948 | 3926 |
| +6 | 9.97 | 4341 | 4319 | 4297 | 4276 | 4254 | 4232 | 4210 | 4188 | 4166 | 4145 |
| +5 | 9.97 | 4559 | 4537 | 4515 | 4494 | 4472 | 4450 | 4428 | 4406 | 4385 | 4363 |
| +4 | 9.97 | 4777 | 4755 | 4733 | 4712 | 4690 | 4668 | 4646 | 4624 | 4603 | 4581 |
| +3 | 9.97 | 4995 | 4973 | 4951 | 4930 | 4908 | 4886 | 4864 | 4842 | 4821 | 4799 |
| +2 | 9.97 | 5213 | 5191 | 5169 | 5147 | 5126 | 5104 | 5082 | 5060 | 5039 | 5017 |
| +1 | 9.97 | 5430 | 5409 | 5387 | 5365 | 5343 | 5322 | 5300 | 5278 | 5256 | 5234 |
| +0 | 9.97 | 5648 | 5626 | 5604 | 5583 | 5561 | 5539 | 5517 | 5496 | 5474 | 5452 |

TABLE IV.

Add for remainder of η .

| | .000. | .001. | .002. | .003. | .004. | .005. | .006. | .007. | .008. | .009. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| .09 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| .08 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 |
| .07 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 4 |
| .06 | 9 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 |
| .05 | 11 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 |
| .04 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 11 |
| .03 | 15 | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 13 | 13 |
| .02 | 17 | 17 | 17 | 17 | 16 | 16 | 16 | 16 | 16 | 15 |
| .01 | 19 | 19 | 19 | 19 | 19 | 18 | 18 | 18 | 18 | 17 |
| .00 | 22 | 21 | 21 | 21 | 21 | 21 | 20 | 20 | 20 | 20 |

Unit=.000001.

For $D = -19^\circ$ and η Negative.Add to log. X (with Table V.) to get log. ξ .

TABLE III.

Argument, η to 0.1 . Not to be interpolated.

| η . | | .0. | .1. | .2. | .3. | .4. | .5. | .6. | .7. | .8. | .9. |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| -0 | 9.97 | 5648 | 5670 | 5691 | 5713 | 5735 | 5757 | 5778 | 5800 | 5822 | 5844 |
| -1 | 9.97 | 5865 | 5887 | 5909 | 5931 | 5952 | 5974 | 5996 | 6018 | 6039 | 6061 |
| -2 | 9.97 | 6083 | 6104 | 6126 | 6148 | 6170 | 6191 | 6213 | 6235 | 6256 | 6278 |
| -3 | 9.97 | 6300 | 6322 | 6343 | 6365 | 6387 | 6408 | 6430 | 6452 | 6474 | 6495 |
| -4 | 9.97 | 6517 | 6539 | 6560 | 6582 | 6604 | 6626 | 6647 | 6669 | 6691 | 6712 |
| -5 | 9.97 | 6734 | 6756 | 6777 | 6799 | 6821 | 6842 | 6864 | 6886 | 6908 | 6929 |
| -6 | 9.97 | 6951 | 6973 | 6994 | 7016 | 7038 | 7059 | 7081 | 7103 | 7124 | 7146 |
| -7 | 9.97 | 7168 | 7190 | 7211 | 7233 | 7254 | 7276 | 7298 | 7319 | 7341 | 7363 |
| -8 | 9.97 | 7384 | 7406 | 7428 | 7449 | 7471 | 7493 | 7514 | 7536 | 7558 | 7579 |
| -9 | 9.97 | 7601 | 7623 | 7644 | 7666 | 7688 | 7709 | 7731 | 7753 | 7774 | 7796 |
| -10 | 9.97 | 7817 | 7839 | 7861 | 7882 | 7904 | 7926 | 7947 | 7969 | 7991 | 8012 |
| -11 | 9.97 | 8034 | 8055 | 8077 | 8099 | 8120 | 8142 | 8164 | 8185 | 8207 | 8228 |
| -12 | 9.97 | 8250 | 8272 | 8293 | 8315 | 8337 | 8358 | 8380 | 8401 | 8423 | 8445 |

TABLE IV.

Add for remainder of η .

| | .000. | .001. | .002. | .003. | .004. | .005. | .006. | .007. | .008. | .009. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| .00 | 22 | 22 | 22 | 22 | 22 | 23 | 23 | 23 | 23 | 24 |
| .01 | 24 | 24 | 24 | 24 | 25 | 25 | 25 | 25 | 26 | 26 |
| .02 | 26 | 26 | 26 | 27 | 27 | 27 | 27 | 27 | 28 | 28 |
| .03 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 |
| .04 | 30 | 31 | 31 | 31 | 31 | 31 | 32 | 32 | 32 | 32 |
| .05 | 32 | 33 | 33 | 33 | 33 | 34 | 34 | 34 | 34 | 34 |
| .06 | 35 | 35 | 35 | 35 | 36 | 36 | 36 | 36 | 36 | 37 |
| .07 | 37 | 37 | 37 | 37 | 38 | 38 | 38 | 38 | 39 | 39 |
| .08 | 39 | 39 | 39 | 40 | 40 | 40 | 40 | 41 | 41 | 41 |
| .09 | 41 | 41 | 42 | 42 | 42 | 42 | 42 | 43 | 43 | 43 |

Unit=.000001.

*All Zones.*For $D = -10^\circ$.

TABLE V.

$$\frac{1}{3} \mu^2 \log_{10} e \times X^2 = .000000306 X^2.$$

Add to log. X (with Tables III., IV.)
to get log. ξ .

| X. | .0. | .1. | .2. | .3. | .4. | .5. | .6. | .7. | .8. | .9. |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 |
| 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| 5 | 8 | 8 | 8 | 9 | 9 | 9 | 10 | 10 | 10 | 11 |
| 6 | 11 | 11 | 12 | 12 | 13 | 13 | 13 | 14 | 14 | 15 |
| 7 | 15 | 15 | 16 | 16 | 17 | 17 | 18 | 18 | 19 | 19 |
| 8 | 20 | 20 | 21 | 21 | 22 | 22 | 23 | 23 | 24 | 24 |
| 9 | 25 | 25 | 26 | 26 | 27 | 28 | 28 | 29 | 29 | 30 |
| 10 | 31 | 31 | 32 | 32 | 33 | 34 | 34 | 35 | 36 | 36 |
| 11 | 37 | 38 | 38 | 39 | 40 | 40 | 41 | 42 | 43 | 43 |
| 12 | 44 | 45 | 46 | 46 | 47 | 48 | 49 | 49 | 50 | 51 |
| 13 | 52 | 53 | 53 | 54 | 55 | 56 | 57 | 57 | 58 | 59 |
| 14 | 60 | 61 | 62 | 63 | 63 | 64 | 65 | 66 | 67 | 68 |
| 15 | 69 | 70 | 71 | 72 | 73 | 73 | 74 | 75 | 76 | 77 |

Unit = .000001.

TABLE VI.

$$\text{Const.} - \frac{1}{3} \mu^2 \log_{10} e \cdot \sec^2 D \cdot \xi^2 \\ = .000051 - .000000343 \xi^2.$$

Add to log. ξ to get log. X.

| ξ . | .0. | .1. | .2. | .3. | .4. | .5. | .6. | .7. | .8. | .9. |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 |
| 1 | 58 | 58 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 2 | 57 | 56 | 56 | 56 | 56 | 56 | 56 | 55 | 55 | 55 |
| 3 | 55 | 55 | 54 | 54 | 54 | 54 | 54 | 53 | 53 | 53 |
| 4 | 53 | 52 | 52 | 52 | 51 | 51 | 51 | 50 | 50 | 50 |
| 5 | 49 | 49 | 49 | 48 | 48 | 48 | 47 | 47 | 46 | 46 |
| 6 | 46 | 45 | 45 | 44 | 44 | 44 | 43 | 43 | 42 | 42 |
| 7 | 41 | 41 | 40 | 40 | 39 | 39 | 38 | 38 | 37 | 37 |
| 8 | 36 | 35 | 35 | 34 | 34 | 33 | 33 | 32 | 31 | 31 |
| 9 | 30 | 30 | 29 | 28 | 28 | 27 | 26 | 26 | 25 | 24 |
| 10 | 24 | 23 | 22 | 22 | 21 | 20 | 20 | 19 | 18 | 17 |
| 11 | 16 | 16 | 15 | 14 | 13 | 13 | 12 | 11 | 10 | 9 |
| 12 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 3 | 2 | 1 |

Unit = .000001.

For $D = -19^\circ$ and η Positive.Add to log. ξ (with Table VI.) to get log. X .

TABLE VII.

Argument, η to 0.1 . *Not to be interpolated.*

TABLE VIII.

Add for Remainder of η .

| η . | | .0. | .1. | .2. | .3. | .4. | .5. | .6. | .7. | .8. | .9. | | | .000. | .001. | .002. | .003. | .004. | .005. | .006. | .007. | .008. | .009. |
|----------|------|------|------|------|------|------|------|------|------|------|------|--|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| +12 | 0.02 | 6869 | 6891 | 6913 | 6935 | 6956 | 6978 | 7000 | 7022 | 7044 | 7066 | | .09 | 41 | 41 | 42 | 42 | 42 | 42 | 42 | 43 | 43 | 43 |
| +11 | 0.02 | 6650 | 6672 | 6694 | 6716 | 6738 | 6760 | 6781 | 6803 | 6825 | 6847 | | .08 | 39 | 39 | 39 | 40 | 40 | 40 | 40 | 41 | 41 | 41 |
| +10 | 0.02 | 6431 | 6453 | 6475 | 6497 | 6519 | 6541 | 6563 | 6585 | 6606 | 6628 | | .07 | 37 | 37 | 37 | 37 | 38 | 38 | 38 | 38 | 39 | 39 |
| +9 | 0.02 | 6213 | 6235 | 6257 | 6279 | 6300 | 6322 | 6344 | 6366 | 6388 | 6410 | | .06 | 35 | 35 | 35 | 35 | 36 | 36 | 36 | 36 | 37 | 37 |
| +8 | 0.02 | 5995 | 6016 | 6038 | 6060 | 6082 | 6104 | 6126 | 6147 | 6169 | 6191 | | .05 | 32 | 33 | 33 | 33 | 33 | 34 | 34 | 34 | 34 | 34 |
| +7 | 0.02 | 5776 | 5798 | 5820 | 5842 | 5864 | 5885 | 5907 | 5929 | 5951 | 5973 | | .04 | 30 | 31 | 31 | 31 | 31 | 31 | 32 | 32 | 32 | 32 |
| +6 | 0.02 | 5558 | 5580 | 5602 | 5623 | 5645 | 5667 | 5689 | 5711 | 5733 | 5754 | | .03 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 |
| +5 | 0.02 | 5340 | 5362 | 5384 | 5405 | 5427 | 5449 | 5471 | 5493 | 5514 | 5536 | | .02 | 26 | 26 | 26 | 27 | 27 | 27 | 27 | 28 | 28 | 28 |
| +4 | 0.02 | 5122 | 5144 | 5166 | 5187 | 5209 | 5231 | 5253 | 5275 | 5296 | 5318 | | .01 | 24 | 24 | 24 | 24 | 25 | 25 | 25 | 26 | 26 | 26 |
| +3 | 0.02 | 4904 | 4926 | 4948 | 4969 | 4991 | 5013 | 5035 | 5057 | 5078 | 5100 | | .00 | 22 | 22 | 22 | 22 | 22 | 23 | 23 | 23 | 24 | 24 |
| +2 | 0.02 | 4686 | 4708 | 4730 | 4752 | 4773 | 4795 | 4817 | 4839 | 4860 | 4882 | | | | | | | | | | | | |
| +1 | 0.02 | 4469 | 4490 | 4512 | 4534 | 4556 | 4577 | 4599 | 4621 | 4643 | 4665 | | | | | | | | | | | | |
| +0 | 0.02 | 4251 | 4273 | 4295 | 4316 | 4338 | 4360 | 4382 | 4403 | 4425 | 4447 | | | | | | | | | | | | |

Unit=.000001.

For $D = -19^\circ$ and η Negative.Add to log. ξ (with Table VI.) to get log. X .

TABLE VII.

Argument, η to 0.1 . *Not to be interpolated.*

TABLE VIII.

Add for Remainder of η .

| η . | | .0. | .1. | .2. | .3. | .4. | .5. | .6. | .7. | .8. | .9. | | | .000. | .001. | .002. | .003. | .004. | .005. | .006. | .007. | .008. | .009. |
|----------|------|------|------|------|------|------|------|------|------|------|------|--|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -0 | 0.02 | 4251 | 4229 | 4208 | 4186 | 4164 | 4142 | 4121 | 4099 | 4077 | 4055 | | .00 | 22 | 21 | 21 | 21 | 21 | 21 | 20 | 20 | 20 | 20 |
| -1 | 0.02 | 4034 | 4012 | 3990 | 3968 | 3947 | 3925 | 3903 | 3881 | 3860 | 3838 | | .01 | 19 | 19 | 19 | 19 | 19 | 18 | 18 | 18 | 18 | 17 |
| -2 | 0.02 | 3816 | 3795 | 3773 | 3751 | 3729 | 3708 | 3686 | 3664 | 3643 | 3621 | | .02 | 17 | 17 | 17 | 17 | 16 | 16 | 16 | 16 | 16 | 15 |
| -3 | 0.02 | 3599 | 3577 | 3556 | 3534 | 3512 | 3491 | 3469 | 3447 | 3425 | 3404 | | .03 | 15 | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 13 | 13 |
| -4 | 0.02 | 3382 | 3360 | 3339 | 3317 | 3295 | 3273 | 3252 | 3230 | 3208 | 3187 | | .04 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 11 |
| -5 | 0.02 | 3165 | 3143 | 3122 | 3100 | 3078 | 3057 | 3035 | 3013 | 2991 | 2970 | | .05 | 11 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 |
| -6 | 0.02 | 2948 | 2926 | 2905 | 2883 | 2861 | 2840 | 2818 | 2796 | 2775 | 2753 | | .06 | 9 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 |
| -7 | 0.02 | 2731 | 2709 | 2688 | 2666 | 2645 | 2623 | 2601 | 2580 | 2558 | 2536 | | .07 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | 4 |
| -8 | 0.02 | 2515 | 2493 | 2471 | 2450 | 2428 | 2406 | 2385 | 2363 | 2341 | 2320 | | .08 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 |
| -9 | 0.02 | 2298 | 2276 | 2255 | 2233 | 2211 | 2190 | 2168 | 2146 | 2125 | 2103 | | .09 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| -10 | 0.02 | 2082 | 2060 | 2038 | 2017 | 1995 | 1973 | 1952 | 1930 | 1908 | 1887 | | | | | | | | | | | | |
| -11 | 0.02 | 1865 | 1844 | 1822 | 1800 | 1779 | 1757 | 1735 | 1714 | 1692 | 1671 | | | | | | | | | | | | |
| -12 | 0.02 | 1649 | 1627 | 1606 | 1584 | 1562 | 1541 | 1519 | 1498 | 1476 | 1454 | | | | | | | | | | | | |

Unit=.000001.

TABLE IX.—For $D = -19^\circ$. γ Negative. $\xi = X - \frac{1}{25} X - \frac{1}{125} X$ — following table.

| X. Y. | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. | X. Y. |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| —13°0 | 0003 | 0006 | 0010 | 0013 | 0016 | 0018 | 0021 | 0023 | 0025 | 0027 | 0029 | 0030 | 0030 | 0030 | 0030 | —13°0 |
| 9 | 0004 | 0007 | 0011 | 0015 | 0018 | 0021 | 0024 | 0027 | 0030 | 0032 | 0034 | 0035 | 0036 | 0037 | 0037 | —12°9 |
| 8 | 004 | 008 | 012 | 016 | 020 | 024 | 028 | 031 | 034 | 037 | 039 | 041 | 043 | 044 | 044 | 8 |
| 7 | 005 | 009 | 014 | 018 | 023 | 027 | 031 | 035 | 038 | 041 | 044 | 047 | 049 | 050 | 051 | 7 |
| 6 | 005 | 010 | 015 | 020 | 025 | 030 | 034 | 038 | 042 | 046 | 049 | 052 | 055 | 057 | 059 | 6 |
| 5 | 006 | 011 | 017 | 022 | 027 | 033 | 038 | 042 | 047 | 051 | 055 | 058 | 061 | 064 | 066 | 5 |
| 4 | 006 | 012 | 018 | 024 | 030 | 035 | 041 | 046 | 051 | 056 | 060 | 064 | 067 | 070 | 073 | 4 |
| 3 | 007 | 013 | 020 | 026 | 032 | 038 | 044 | 050 | 055 | 060 | 065 | 069 | 073 | 077 | 080 | 3 |
| 2 | 007 | 014 | 021 | 028 | 034 | 041 | 048 | 054 | 060 | 065 | 070 | 075 | 080 | 084 | 087 | 2 |
| 1 | 008 | 015 | 022 | 030 | 037 | 044 | 051 | 057 | 064 | 070 | 075 | 081 | 086 | 090 | 094 | 1 |
| —12°0 | 008 | 016 | 024 | 032 | 039 | 047 | 054 | 061 | 068 | 074 | 081 | 086 | 092 | 097 | 101 | —12°0 |
| —11°9 | 0008 | 0017 | 0025 | 0034 | 0042 | 0050 | 0058 | 0065 | 0072 | 0079 | 0086 | 0092 | 0098 | 0103 | 0108 | —11°9 |
| 8 | 009 | 018 | 027 | 035 | 044 | 053 | 061 | 069 | 077 | 084 | 091 | 098 | 104 | 110 | 115 | 8 |
| 7 | 009 | 019 | 028 | 037 | 046 | 055 | 064 | 073 | 081 | 089 | 096 | 103 | 110 | 117 | 122 | 7 |
| 6 | 010 | 020 | 029 | 039 | 049 | 058 | 068 | 077 | 085 | 093 | 101 | 109 | 116 | 123 | 130 | 6 |
| 5 | 010 | 021 | 031 | 041 | 051 | 061 | 071 | 080 | 089 | 098 | 107 | 115 | 122 | 130 | 137 | 5 |
| 4 | 011 | 022 | 032 | 043 | 053 | 064 | 074 | 084 | 094 | 103 | 112 | 120 | 129 | 137 | 144 | 4 |
| 3 | 011 | 022 | 034 | 045 | 056 | 067 | 078 | 088 | 098 | 108 | 117 | 126 | 135 | 143 | 151 | 3 |
| 2 | 012 | 023 | 035 | 047 | 058 | 070 | 081 | 092 | 102 | 112 | 122 | 132 | 141 | 150 | 158 | 2 |
| 1 | 012 | 024 | 037 | 049 | 060 | 072 | 084 | 095 | 106 | 117 | 127 | 137 | 147 | 156 | 165 | 1 |
| —11°0 | 013 | 025 | 038 | 051 | 063 | 075 | 088 | 099 | 111 | 122 | 133 | 143 | 153 | 163 | 172 | —11°0 |
| —10°9 | 0013 | 0026 | 0039 | 0052 | 0065 | 0078 | 0091 | 0103 | 0115 | 0127 | 0138 | 0149 | 0159 | 0170 | 0179 | —10°9 |
| 8 | 014 | 027 | 041 | 054 | 068 | 081 | 094 | 107 | 119 | 131 | 143 | 155 | 166 | 176 | 186 | 8 |
| 7 | 014 | 028 | 042 | 056 | 070 | 084 | 097 | 110 | 123 | 136 | 148 | 160 | 172 | 183 | 194 | 7 |
| 6 | 015 | 029 | 044 | 058 | 072 | 087 | 101 | 114 | 128 | 141 | 154 | 166 | 178 | 190 | 201 | 6 |
| 5 | 015 | 030 | 045 | 060 | 075 | 090 | 104 | 118 | 132 | 146 | 159 | 172 | 184 | 196 | 208 | 5 |
| 4 | 016 | 031 | 047 | 062 | 077 | 092 | 107 | 122 | 136 | 150 | 164 | 177 | 190 | 203 | 215 | 4 |
| 3 | 016 | 032 | 048 | 064 | 079 | 095 | 111 | 126 | 140 | 155 | 169 | 183 | 196 | 209 | 222 | 3 |
| 2 | 017 | 033 | 049 | 066 | 082 | 098 | 114 | 129 | 145 | 160 | 174 | 189 | 203 | 216 | 229 | 2 |
| 1 | 017 | 034 | 051 | 068 | 084 | 101 | 117 | 133 | 149 | 165 | 180 | 194 | 209 | 223 | 236 | 1 |
| —10°0 | 018 | 035 | 052 | 070 | 087 | 104 | 120 | 137 | 153 | 169 | 185 | 200 | 215 | 229 | 243 | —10°0 |
| —9°9 | 0018 | 0036 | 0054 | 0071 | 0089 | 0106 | 0124 | 0141 | 0158 | 0174 | 0190 | 0206 | 0221 | 0236 | 0250 | —9°9 |
| 8 | 018 | 037 | 055 | 073 | 091 | 109 | 127 | 145 | 162 | 179 | 195 | 211 | 227 | 243 | 257 | 8 |
| 7 | 019 | 038 | 057 | 075 | 094 | 112 | 130 | 148 | 166 | 183 | 200 | 217 | 233 | 249 | 264 | 7 |
| 6 | 019 | 039 | 058 | 077 | 096 | 115 | 134 | 152 | 170 | 188 | 206 | 223 | 240 | 256 | 272 | 6 |
| 5 | 020 | 040 | 059 | 079 | 098 | 118 | 137 | 156 | 175 | 193 | 211 | 228 | 246 | 262 | 279 | 5 |
| 4 | 020 | 040 | 061 | 081 | 101 | 121 | 140 | 160 | 179 | 198 | 216 | 234 | 252 | 269 | 286 | 4 |
| 3 | 021 | 041 | 062 | 083 | 103 | 124 | 144 | 163 | 183 | 202 | 221 | 240 | 258 | 276 | 293 | 3 |
| 2 | 021 | 042 | 064 | 085 | 106 | 126 | 147 | 167 | 187 | 207 | 226 | 245 | 264 | 282 | 300 | 2 |
| 1 | 022 | 043 | 065 | 087 | 108 | 129 | 150 | 171 | 192 | 212 | 232 | 251 | 270 | 289 | 307 | 1 |
| —9°0 | 022 | 044 | 066 | 088 | 110 | 132 | 154 | 175 | 196 | 217 | 237 | 257 | 276 | 296 | 314 | —9°0 |
| —8°9 | 0023 | 0045 | 0068 | 0090 | 0113 | 0135 | 0157 | 0178 | 0200 | 0221 | 0242 | 0262 | 0282 | 0302 | 0321 | —8°9 |
| 8 | 023 | 046 | 069 | 092 | 115 | 138 | 160 | 182 | 204 | 226 | 247 | 268 | 289 | 309 | 328 | 8 |
| 7 | 024 | 047 | 071 | 094 | 117 | 141 | 163 | 186 | 209 | 231 | 252 | 274 | 295 | 315 | 335 | 7 |
| 6 | 024 | 048 | 072 | 096 | 120 | 143 | 167 | 190 | 213 | 235 | 258 | 279 | 301 | 322 | 343 | 6 |
| 5 | 025 | 049 | 074 | 098 | 122 | 146 | 170 | 194 | 217 | 240 | 263 | 285 | 307 | 329 | 350 | 5 |
| 4 | 025 | 050 | 075 | 100 | 124 | 149 | 173 | 198 | 221 | 245 | 268 | 291 | 313 | 335 | 357 | 4 |
| 3 | 026 | 051 | 076 | 102 | 127 | 152 | 177 | 201 | 226 | 250 | 273 | 296 | 320 | 342 | 364 | 3 |
| 2 | 026 | 052 | 078 | 104 | 129 | 155 | 180 | 205 | 230 | 254 | 279 | 302 | 326 | 349 | 371 | 2 |
| 1 | 027 | 053 | 079 | 106 | 132 | 158 | 183 | 209 | 234 | 259 | 284 | 308 | 332 | 355 | 378 | 1 |
| —8°0 | 027 | 054 | 081 | 107 | 134 | 160 | 187 | 213 | 238 | 264 | 289 | 314 | 338 | 362 | 385 | —8°0 |

TABLE IX. *continued.*—For $D = -19^\circ$.

Y Negative.

 $\xi = X - \frac{1}{25} X - \frac{1}{125} X$ — following table.

| X Y. | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. | X. Y. |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| -7.9 | .0027 | .0055 | .0082 | .0109 | .0136 | .0163 | .0190 | .0216 | .0243 | .0269 | .0294 | .0319 | .0344 | .0369 | .0392 | -7.9 |
| 8 | .028 | .056 | .084 | .111 | .139 | .166 | .193 | .220 | .247 | .273 | .299 | .325 | .350 | .375 | .399 | 8 |
| 7 | .028 | .057 | .085 | .113 | .141 | .169 | .197 | .224 | .251 | .278 | .305 | .331 | .356 | .382 | .406 | 7 |
| 6 | .029 | .058 | .086 | .115 | .143 | .172 | .200 | .228 | .256 | .283 | .310 | .336 | .363 | .388 | .414 | 6 |
| 5 | .029 | .058 | .088 | .117 | .146 | .175 | .203 | .232 | .260 | .288 | .315 | .342 | .369 | .395 | .421 | 5 |
| 4 | .030 | .059 | .089 | .119 | .148 | .178 | .207 | .235 | .264 | .292 | .320 | .348 | .375 | .402 | .428 | 4 |
| 3 | .030 | .060 | .091 | .121 | .150 | .180 | .210 | .239 | .268 | .297 | .325 | .353 | .381 | .408 | .435 | 3 |
| 2 | .031 | .061 | .092 | .122 | .153 | .183 | .213 | .243 | .273 | .302 | .331 | .359 | .387 | .415 | .442 | 2 |
| 1 | .031 | .062 | .093 | .124 | .155 | .186 | .217 | .247 | .277 | .307 | .336 | .365 | .393 | .422 | .449 | 1 |
| -7.0 | .032 | .063 | .095 | .126 | .158 | .189 | .220 | .251 | .281 | .311 | .341 | .370 | .400 | .428 | .456 | -7.0 |
| -6.9 | .0032 | .0064 | .0096 | .0128 | .0160 | .0192 | .0223 | .0254 | .0285 | .0316 | .0346 | .0376 | .0406 | .0435 | .0463 | -6.9 |
| 8 | .033 | .065 | .098 | .130 | .162 | .195 | .226 | .258 | .290 | .321 | .351 | .382 | .412 | .441 | .470 | 8 |
| 7 | .033 | .066 | .099 | .132 | .165 | .197 | .230 | .262 | .294 | .326 | .357 | .387 | .418 | .448 | .478 | 7 |
| 6 | .034 | .067 | .101 | .134 | .167 | .200 | .233 | .266 | .298 | .330 | .362 | .393 | .424 | .455 | .485 | 6 |
| 5 | .034 | .068 | .102 | .136 | .169 | .203 | .236 | .270 | .302 | .335 | .367 | .399 | .430 | .461 | .492 | 5 |
| 4 | .034 | .069 | .103 | .138 | .172 | .206 | .240 | .273 | .307 | .340 | .372 | .404 | .436 | .468 | .499 | 4 |
| 3 | .035 | .070 | .105 | .140 | .174 | .209 | .243 | .277 | .311 | .344 | .377 | .410 | .443 | .475 | .506 | 3 |
| 2 | .035 | .071 | .106 | .142 | .177 | .212 | .246 | .281 | .315 | .349 | .383 | .416 | .449 | .481 | .513 | 2 |
| 1 | .036 | .072 | .108 | .143 | .179 | .214 | .250 | .285 | .320 | .354 | .388 | .422 | .455 | .488 | .520 | 1 |
| -6.0 | .036 | .073 | .109 | .145 | .181 | .217 | .253 | .288 | .324 | .359 | .393 | .427 | .461 | .494 | .527 | -6.0 |
| -5.9 | .0037 | .0074 | .0110 | .0147 | .0184 | .0220 | .0256 | .0292 | .0328 | .0363 | .0398 | .0433 | .0467 | .0501 | .0534 | -5.9 |
| 8 | .037 | .075 | .112 | .149 | .186 | .223 | .260 | .296 | .332 | .368 | .404 | .439 | .473 | .508 | .541 | 8 |
| 7 | .038 | .076 | .113 | .151 | .188 | .226 | .263 | .300 | .337 | .373 | .409 | .444 | .480 | .514 | .549 | 7 |
| 6 | .038 | .076 | .115 | .153 | .191 | .229 | .266 | .304 | .341 | .378 | .414 | .450 | .486 | .521 | .556 | 6 |
| 5 | .039 | .077 | .116 | .155 | .193 | .232 | .270 | .307 | .345 | .382 | .419 | .456 | .492 | .528 | .563 | 5 |
| 4 | .039 | .078 | .118 | .157 | .195 | .234 | .273 | .311 | .349 | .387 | .424 | .461 | .498 | .534 | .570 | 4 |
| 3 | .040 | .079 | .119 | .158 | .198 | .237 | .276 | .315 | .354 | .392 | .430 | .467 | .504 | .541 | .577 | 3 |
| 2 | .040 | .080 | .120 | .160 | .200 | .240 | .280 | .319 | .358 | .397 | .435 | .473 | .510 | .547 | .584 | 2 |
| 1 | .041 | .081 | .122 | .162 | .203 | .243 | .283 | .322 | .362 | .401 | .440 | .478 | .517 | .554 | .591 | 1 |
| -5.0 | .041 | .082 | .123 | .164 | .205 | .246 | .286 | .326 | .366 | .406 | .445 | .484 | .523 | .561 | .598 | -5.0 |
| -4.9 | .0042 | .0083 | .0125 | .0166 | .0207 | .0248 | .0289 | .0330 | .0371 | .0411 | .0450 | .0490 | .0529 | .0567 | .0605 | -4.9 |
| 8 | .042 | .084 | .126 | .168 | .210 | .251 | .293 | .334 | .375 | .416 | .456 | .496 | .535 | .574 | .613 | 8 |
| 7 | .043 | .085 | .128 | .170 | .212 | .254 | .296 | .338 | .379 | .420 | .461 | .501 | .541 | .581 | .620 | 7 |
| 6 | .043 | .086 | .129 | .172 | .214 | .257 | .299 | .341 | .383 | .425 | .466 | .507 | .547 | .587 | .627 | 6 |
| 5 | .044 | .087 | .130 | .174 | .217 | .260 | .303 | .345 | .388 | .430 | .471 | .513 | .554 | .594 | .634 | 5 |
| 4 | .044 | .088 | .132 | .176 | .219 | .263 | .306 | .349 | .392 | .434 | .476 | .518 | .560 | .601 | .641 | 4 |
| 3 | .045 | .089 | .133 | .177 | .222 | .266 | .309 | .353 | .396 | .439 | .482 | .524 | .566 | .607 | .648 | 3 |
| 2 | .045 | .090 | .135 | .179 | .224 | .268 | .313 | .357 | .400 | .444 | .487 | .530 | .572 | .614 | .655 | 2 |
| 1 | .045 | .091 | .136 | .181 | .226 | .271 | .316 | .360 | .405 | .449 | .492 | .535 | .578 | .620 | .662 | 1 |
| -4.0 | .046 | .092 | .137 | .183 | .229 | .274 | .319 | .364 | .409 | .453 | .497 | .541 | .584 | .627 | .669 | -4.0 |
| -3.9 | .0046 | .0093 | .0139 | .0185 | .0231 | .0277 | .0323 | .0368 | .0413 | .0458 | .0503 | .0547 | .0590 | .0634 | .0676 | -3.9 |
| 8 | .047 | .094 | .140 | .187 | .233 | .280 | .326 | .372 | .417 | .463 | .508 | .552 | .596 | .640 | .683 | 8 |
| 7 | .047 | .094 | .142 | .189 | .236 | .283 | .329 | .375 | .422 | .468 | .513 | .558 | .603 | .647 | .691 | 7 |
| 6 | .048 | .095 | .143 | .191 | .238 | .286 | .333 | .379 | .426 | .472 | .518 | .564 | .609 | .654 | .698 | 6 |
| 5 | .048 | .096 | .145 | .193 | .240 | .288 | .336 | .383 | .430 | .477 | .523 | .569 | .615 | .660 | .705 | 5 |
| 4 | .049 | .097 | .146 | .194 | .243 | .291 | .339 | .387 | .435 | .482 | .529 | .575 | .621 | .667 | .712 | 4 |
| 3 | .049 | .098 | .147 | .196 | .245 | .294 | .343 | .391 | .439 | .486 | .534 | .581 | .627 | .674 | .719 | 3 |
| 2 | .050 | .099 | .149 | .198 | .248 | .297 | .346 | .394 | .443 | .491 | .539 | .586 | .633 | .680 | .726 | 2 |
| 1 | .050 | .100 | .150 | .200 | .250 | .300 | .349 | .398 | .447 | .496 | .544 | .592 | .640 | .687 | .733 | 1 |
| 3.0 | .051 | .101 | .152 | .202 | .252 | .302 | .352 | .402 | .452 | .501 | .549 | .598 | .646 | .693 | .740 | 3.0 |

TABLE IX. *continued.*—For $D = -19^\circ$.

Y Negative.

 $\xi = X - \frac{1}{25} X - \frac{1}{125} X$ — following table.

| X. | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. | X. |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Y. | | | | | | | | | | | | | | | | Y. |
| — 2.9 | 0051 | 0102 | 0153 | 0204 | 0255 | 0305 | 0356 | 0406 | 0456 | 0505 | 0555 | 0603 | 0652 | 0700 | 0748 | — 2.9 |
| 8 | 052 | 103 | 155 | 206 | 257 | 308 | 359 | 410 | 460 | 510 | 560 | 609 | 658 | 707 | 755 | 8 |
| 7 | 052 | 104 | 156 | 208 | 259 | 311 | 362 | 413 | 464 | 515 | 565 | 615 | 664 | 713 | 762 | 7 |
| 6 | 053 | 105 | 157 | 210 | 262 | 314 | 366 | 417 | 469 | 520 | 570 | 620 | 670 | 720 | 769 | 6 |
| 5 | 053 | 106 | 159 | 212 | 264 | 317 | 369 | 421 | 473 | 524 | 576 | 626 | 677 | 727 | 776 | 5 |
| 4 | 054 | 107 | 160 | 213 | 266 | 320 | 372 | 425 | 477 | 529 | 581 | 632 | 683 | 733 | 783 | 4 |
| 3 | 054 | 108 | 162 | 215 | 269 | 322 | 376 | 429 | 481 | 534 | 586 | 637 | 689 | 740 | 790 | 3 |
| 2 | 054 | 109 | 163 | 217 | 271 | 325 | 379 | 432 | 486 | 539 | 591 | 643 | 695 | 746 | 797 | 2 |
| 1 | 055 | 110 | 164 | 219 | 274 | 328 | 382 | 436 | 490 | 543 | 596 | 649 | 701 | 753 | 804 | 1 |
| — 2.0 | 055 | 111 | 166 | 221 | 276 | 331 | 386 | 440 | 494 | 548 | 602 | 654 | 707 | 760 | 812 | — 2.0 |
| — 1.9 | 0056 | 0112 | 0167 | 0223 | 0278 | 0334 | 0389 | 0444 | 0498 | 0553 | 0607 | 0660 | 0714 | 0766 | 0819 | — 1.9 |
| 8 | 056 | 112 | 169 | 225 | 281 | 337 | 392 | 447 | 503 | 558 | 612 | 666 | 720 | 773 | 826 | 8 |
| 7 | 057 | 113 | 170 | 227 | 283 | 339 | 395 | 451 | 507 | 562 | 617 | 672 | 726 | 780 | 833 | 7 |
| 6 | 057 | 114 | 172 | 229 | 285 | 342 | 399 | 455 | 511 | 567 | 622 | 677 | 732 | 786 | 840 | 6 |
| 5 | 058 | 115 | 173 | 230 | 288 | 345 | 402 | 459 | 515 | 572 | 628 | 683 | 738 | 793 | 847 | 5 |
| 4 | 058 | 116 | 174 | 232 | 290 | 348 | 405 | 463 | 520 | 576 | 633 | 689 | 744 | 800 | 854 | 4 |
| 3 | 059 | 117 | 176 | 234 | 293 | 351 | 409 | 466 | 524 | 581 | 638 | 694 | 750 | 806 | 861 | 3 |
| 2 | 059 | 118 | 177 | 236 | 295 | 354 | 412 | 470 | 528 | 586 | 643 | 700 | 756 | 813 | 868 | 2 |
| 1 | 060 | 119 | 179 | 238 | 297 | 356 | 415 | 474 | 533 | 591 | 648 | 706 | 763 | 819 | 875 | 1 |
| — 1.0 | 060 | 120 | 180 | 240 | 300 | 359 | 419 | 478 | 537 | 595 | 654 | 711 | 769 | 826 | 882 | — 1.0 |
| — 0.9 | 0061 | 0121 | 0181 | 0242 | 0302 | 0362 | 0422 | 0482 | 0541 | 0600 | 0659 | 0717 | 0775 | 0832 | 0890 | — 0.9 |
| 8 | 061 | 122 | 183 | 244 | 304 | 365 | 425 | 485 | 545 | 605 | 664 | 723 | 781 | 839 | 897 | 8 |
| 7 | 062 | 123 | 184 | 246 | 307 | 368 | 429 | 489 | 550 | 610 | 669 | 728 | 787 | 846 | 904 | 7 |
| 6 | 062 | 124 | 186 | 247 | 309 | 371 | 432 | 493 | 554 | 614 | 674 | 734 | 793 | 852 | 911 | 6 |
| 5 | 063 | 125 | 187 | 249 | 312 | 374 | 435 | 497 | 558 | 619 | 680 | 740 | 800 | 859 | 918 | 5 |
| 4 | 063 | 126 | 189 | 251 | 314 | 376 | 439 | 500 | 562 | 624 | 685 | 745 | 806 | 866 | 925 | 4 |
| 3 | 063 | 127 | 190 | 253 | 316 | 379 | 442 | 504 | 567 | 629 | 690 | 751 | 812 | 872 | 932 | 3 |
| 2 | 064 | 128 | 191 | 255 | 319 | 382 | 445 | 508 | 571 | 633 | 695 | 757 | 818 | 879 | 939 | 2 |
| 1 | 064 | 129 | 193 | 257 | 321 | 385 | 448 | 512 | 575 | 638 | 700 | 762 | 824 | 886 | 946 | 1 |
| — 0.0 | 0065 | 0130 | 0194 | 0259 | 0323 | 0388 | 0452 | 0516 | 0579 | 0643 | 0706 | 0768 | 0830 | 0892 | 0953 | — 0.0 |

TABLE X.—For $D = -19^\circ$.

Y Positive.

 $\xi = X - \frac{i}{20} X - \frac{i}{240} X$ — following table.

| X. Y. | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. | X. Y. |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| + 0.0 | .0003 | .0006 | .0009 | .0012 | .0015 | .0018 | .0020 | .0022 | .0024 | .0026 | .0027 | .0028 | .0029 | .0029 | .0028 | + 0.0 |
| 1 | .004 | .007 | .011 | .014 | .017 | .021 | .024 | .026 | .029 | .031 | .032 | .034 | .035 | .036 | .036 | 1 |
| 2 | .004 | .008 | .012 | .016 | .020 | .023 | .027 | .030 | .033 | .036 | .038 | .039 | .041 | .042 | .043 | 2 |
| 3 | .005 | .009 | .014 | .018 | .022 | .026 | .030 | .034 | .037 | .040 | .043 | .045 | .047 | .049 | .050 | 3 |
| 4 | .005 | .010 | .015 | .020 | .024 | .029 | .034 | .038 | .041 | .045 | .048 | .051 | .053 | .055 | .057 | 4 |
| 5 | .006 | .011 | .016 | .022 | .027 | .032 | .037 | .041 | .046 | .050 | .053 | .056 | .060 | .062 | .064 | 5 |
| 6 | .006 | .012 | .018 | .024 | .029 | .035 | .040 | .045 | .050 | .054 | .058 | .062 | .066 | .069 | .071 | 6 |
| 7 | .006 | .013 | .019 | .026 | .032 | .038 | .043 | .049 | .054 | .059 | .064 | .068 | .072 | .075 | .078 | 7 |
| 8 | .007 | .014 | .021 | .027 | .034 | .040 | .047 | .053 | .058 | .064 | .069 | .073 | .078 | .082 | .085 | 8 |
| + 0.9 | .007 | .015 | .022 | .029 | .036 | .043 | .050 | .057 | .063 | .069 | .074 | .079 | .084 | .089 | .092 | + 0.9 |
| + 1.0 | .0008 | .0016 | .0024 | .0031 | .0039 | .0046 | .0053 | .0060 | .0067 | .0073 | .0079 | .0085 | .0090 | .0095 | .0100 | + 1.0 |
| 1 | .008 | .017 | .025 | .033 | .041 | .049 | .057 | .064 | .071 | .078 | .085 | .090 | .096 | .102 | .107 | 1 |
| 2 | .009 | .018 | .026 | .035 | .043 | .052 | .060 | .068 | .076 | .083 | .090 | .096 | .103 | .108 | .114 | 2 |
| 3 | .009 | .018 | .028 | .037 | .046 | .055 | .063 | .072 | .080 | .088 | .095 | .102 | .109 | .115 | .121 | 3 |
| 4 | .010 | .019 | .029 | .039 | .048 | .058 | .067 | .075 | .084 | .092 | .100 | .108 | .115 | .122 | .128 | 4 |
| 5 | .010 | .020 | .031 | .041 | .050 | .060 | .070 | .079 | .088 | .097 | .105 | .113 | .121 | .128 | .135 | 5 |
| 6 | .011 | .021 | .032 | .042 | .053 | .063 | .073 | .083 | .093 | .102 | .111 | .119 | .127 | .135 | .142 | 6 |
| 7 | .011 | .022 | .033 | .044 | .055 | .066 | .076 | .087 | .097 | .107 | .116 | .125 | .133 | .142 | .149 | 7 |
| 8 | .012 | .023 | .035 | .046 | .058 | .069 | .080 | .090 | .101 | .111 | .121 | .130 | .140 | .148 | .156 | 8 |
| + 1.9 | .012 | .024 | .036 | .048 | .060 | .072 | .083 | .094 | .105 | .116 | .126 | .136 | .146 | .155 | .163 | + 1.9 |
| + 2.0 | .0013 | .0025 | .0038 | .0050 | .0062 | .0074 | .0086 | .0098 | .0110 | .0121 | .0131 | .0142 | .0152 | .0161 | .0170 | + 2.0 |
| 1 | .013 | .026 | .039 | .052 | .065 | .077 | .090 | .102 | .114 | .126 | .137 | .147 | .158 | .168 | .178 | 1 |
| 2 | .014 | .027 | .041 | .054 | .067 | .080 | .093 | .106 | .118 | .130 | .142 | .153 | .164 | .175 | .185 | 2 |
| 3 | .014 | .028 | .042 | .056 | .069 | .083 | .096 | .110 | .122 | .135 | .147 | .159 | .170 | .181 | .192 | 3 |
| 4 | .014 | .029 | .043 | .058 | .072 | .086 | .100 | .113 | .127 | .140 | .152 | .164 | .176 | .188 | .199 | 4 |
| 5 | .015 | .030 | .045 | .060 | .074 | .089 | .103 | .117 | .131 | .144 | .157 | .170 | .183 | .195 | .206 | 5 |
| 6 | .015 | .031 | .046 | .062 | .077 | .092 | .106 | .121 | .135 | .149 | .163 | .176 | .189 | .201 | .213 | 6 |
| 7 | .016 | .032 | .048 | .063 | .079 | .094 | .110 | .125 | .139 | .154 | .168 | .181 | .195 | .208 | .220 | 7 |
| 8 | .016 | .033 | .049 | .065 | .081 | .097 | .113 | .128 | .144 | .159 | .173 | .187 | .201 | .214 | .227 | 8 |
| + 2.9 | .017 | .034 | .051 | .067 | .084 | .100 | .116 | .132 | .148 | .163 | .178 | .193 | .207 | .221 | .235 | + 2.9 |
| + 3.0 | .0017 | .0035 | .0052 | .0069 | .0086 | .0103 | .0120 | .0136 | .0152 | .0168 | .0184 | .0199 | .0213 | .0228 | .0242 | + 3.0 |
| 1 | .018 | .036 | .053 | .071 | .088 | .106 | .123 | .140 | .156 | .173 | .189 | .204 | .220 | .234 | .249 | 1 |
| 2 | .018 | .036 | .055 | .073 | .091 | .109 | .126 | .144 | .161 | .178 | .194 | .210 | .226 | .241 | .256 | 2 |
| 3 | .019 | .037 | .056 | .075 | .093 | .112 | .130 | .147 | .165 | .182 | .199 | .216 | .232 | .248 | .263 | 3 |
| 4 | .019 | .038 | .058 | .077 | .095 | .114 | .133 | .151 | .169 | .187 | .204 | .221 | .238 | .254 | .270 | 4 |
| 5 | .020 | .039 | .059 | .078 | .098 | .117 | .136 | .155 | .174 | .192 | .210 | .227 | .244 | .261 | .277 | 5 |
| 6 | .020 | .040 | .060 | .080 | .100 | .120 | .140 | .159 | .178 | .197 | .215 | .233 | .250 | .268 | .284 | 6 |
| 7 | .021 | .041 | .062 | .082 | .103 | .123 | .143 | .163 | .182 | .201 | .220 | .238 | .256 | .274 | .291 | 7 |
| 8 | .021 | .042 | .063 | .084 | .105 | .126 | .146 | .166 | .186 | .206 | .225 | .244 | .263 | .281 | .298 | 8 |
| + 3.9 | .022 | .043 | .065 | .086 | .107 | .128 | .149 | .170 | .191 | .211 | .230 | .250 | .269 | .287 | .305 | + 3.9 |
| + 4.0 | .0022 | .0044 | .0066 | .0088 | .0110 | .0131 | .0153 | .0174 | .0195 | .0215 | .0236 | .0255 | .0275 | .0294 | .0312 | + 4.0 |
| 1 | .023 | .045 | .068 | .090 | .112 | .134 | .156 | .178 | .199 | .220 | .241 | .261 | .281 | .301 | .320 | 1 |
| 2 | .023 | .046 | .069 | .092 | .114 | .137 | .159 | .181 | .203 | .225 | .246 | .267 | .287 | .307 | .327 | 2 |
| 3 | .024 | .047 | .070 | .094 | .117 | .140 | .163 | .185 | .208 | .230 | .251 | .272 | .294 | .314 | .334 | 3 |
| 4 | .024 | .048 | .072 | .096 | .119 | .143 | .166 | .189 | .212 | .234 | .256 | .278 | .300 | .321 | .341 | 4 |
| 5 | .024 | .049 | .073 | .098 | .122 | .146 | .169 | .193 | .216 | .239 | .262 | .284 | .306 | .327 | .348 | 5 |
| 6 | .025 | .050 | .075 | .099 | .124 | .148 | .173 | .197 | .220 | .244 | .267 | .290 | .312 | .334 | .355 | 6 |
| 7 | .025 | .051 | .076 | .101 | .126 | .151 | .176 | .200 | .225 | .249 | .272 | .295 | .318 | .340 | .362 | 7 |
| 8 | .026 | .052 | .077 | .103 | .129 | .154 | .179 | .204 | .229 | .253 | .277 | .301 | .324 | .347 | .369 | 8 |
| + 4.9 | .026 | .053 | .079 | .105 | .131 | .157 | .183 | .208 | .233 | .258 | .283 | .307 | .330 | .354 | .376 | + 4.9 |

TABLE X. *continued.*—For D = - 19°.

Y Positive.

$$\xi = X - \frac{1}{20} X - \frac{1}{240} X - \text{following table.}$$

| X. Y. | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. | X. Y. |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| + 5.0 | .0027 | .0054 | .0080 | .0107 | .0133 | .0160 | .0186 | .0212 | .0238 | .0263 | .0288 | .0312 | .0336 | .0360 | .0384 | + 5.0 |
| 1 | .027 | .054 | .082 | .109 | .136 | .163 | .189 | .216 | .242 | .268 | .293 | .318 | .343 | .367 | .391 | 1 |
| 2 | .028 | .055 | .083 | .111 | .138 | .166 | .193 | .219 | .246 | .272 | .298 | .324 | .349 | .374 | .398 | 2 |
| 3 | .028 | .056 | .084 | .113 | .140 | .168 | .196 | .223 | .250 | .277 | .303 | .329 | .355 | .380 | .405 | 3 |
| 4 | .029 | .057 | .086 | .114 | .143 | .171 | .199 | .227 | .255 | .282 | .309 | .335 | .361 | .387 | .412 | 4 |
| 5 | .029 | .058 | .087 | .116 | .145 | .174 | .203 | .231 | .259 | .286 | .314 | .341 | .367 | .394 | .419 | 5 |
| 6 | .030 | .059 | .089 | .118 | .148 | .177 | .206 | .234 | .263 | .291 | .319 | .346 | .373 | .400 | .426 | 6 |
| 7 | .030 | .060 | .090 | .120 | .150 | .180 | .209 | .238 | .267 | .296 | .324 | .352 | .380 | .407 | .433 | 7 |
| 8 | .031 | .061 | .092 | .122 | .152 | .182 | .212 | .242 | .272 | .301 | .329 | .358 | .386 | .413 | .440 | 8 |
| + 5.9 | .031 | .062 | .093 | .124 | .155 | .185 | .216 | .246 | .276 | .305 | .335 | .363 | .392 | .420 | .447 | + 5.9 |
| + 6.0 | .0032 | .0063 | .0094 | .0126 | .0157 | .0188 | .0219 | .0250 | .0280 | .0310 | .0340 | .0369 | .0398 | .0427 | .0455 | + 6.0 |
| 1 | .032 | .064 | .096 | .128 | .159 | .191 | .222 | .253 | .284 | .315 | .345 | .375 | .404 | .433 | .462 | 1 |
| 2 | .032 | .065 | .097 | .130 | .162 | .194 | .226 | .257 | .288 | .320 | .350 | .380 | .410 | .440 | .469 | 2 |
| 3 | .033 | .066 | .099 | .132 | .164 | .197 | .229 | .261 | .293 | .324 | .356 | .386 | .417 | .447 | .476 | 3 |
| 4 | .033 | .067 | .100 | .133 | .166 | .200 | .232 | .265 | .297 | .329 | .361 | .392 | .423 | .453 | .483 | 4 |
| 5 | .034 | .068 | .102 | .135 | .169 | .202 | .236 | .268 | .301 | .334 | .366 | .398 | .429 | .460 | .490 | 5 |
| 6 | .034 | .069 | .103 | .137 | .171 | .205 | .239 | .272 | .306 | .339 | .371 | .403 | .435 | .466 | .497 | 6 |
| 7 | .035 | .070 | .104 | .139 | .174 | .208 | .242 | .276 | .310 | .343 | .376 | .409 | .441 | .473 | .504 | 7 |
| 8 | .035 | .071 | .106 | .141 | .176 | .211 | .246 | .280 | .314 | .348 | .381 | .414 | .447 | .480 | .511 | 8 |
| + 6.9 | .036 | .072 | .107 | .143 | .178 | .214 | .249 | .284 | .318 | .353 | .387 | .420 | .453 | .486 | .518 | + 6.9 |
| + 7.0 | .0036 | .0072 | .0109 | .0145 | .0181 | .0217 | .0252 | .0288 | .0323 | .0358 | .0392 | .0426 | .0460 | .0493 | .0526 | + 7.0 |
| 1 | .037 | .073 | .110 | .147 | .183 | .220 | .256 | .291 | .327 | .362 | .397 | .432 | .466 | .500 | .533 | 1 |
| 2 | .037 | .074 | .112 | .149 | .185 | .222 | .259 | .295 | .331 | .367 | .402 | .437 | .472 | .506 | .540 | 2 |
| 3 | .038 | .075 | .113 | .150 | .188 | .225 | .262 | .299 | .336 | .372 | .408 | .443 | .478 | .513 | .547 | 3 |
| 4 | .038 | .076 | .114 | .152 | .190 | .228 | .265 | .303 | .340 | .376 | .413 | .449 | .484 | .519 | .554 | 4 |
| 5 | .039 | .077 | .116 | .154 | .192 | .231 | .269 | .306 | .344 | .381 | .418 | .454 | .490 | .526 | .561 | 5 |
| 6 | .039 | .078 | .117 | .156 | .195 | .234 | .272 | .310 | .348 | .386 | .423 | .460 | .496 | .533 | .568 | 6 |
| 7 | .040 | .079 | .119 | .158 | .197 | .236 | .275 | .314 | .353 | .391 | .428 | .466 | .503 | .539 | .575 | 7 |
| 8 | .040 | .080 | .120 | .160 | .200 | .239 | .279 | .318 | .357 | .395 | .434 | .471 | .509 | .546 | .582 | 8 |
| + 7.9 | .041 | .081 | .122 | .162 | .202 | .242 | .282 | .322 | .361 | .400 | .439 | .477 | .515 | .553 | .590 | + 7.9 |
| + 8.0 | .0041 | .0082 | .0123 | .0164 | .0204 | .0245 | .0285 | .0325 | .0365 | .0405 | .0444 | .0483 | .0521 | .0559 | .0597 | + 8.0 |
| 1 | .042 | .083 | .124 | .166 | .207 | .248 | .289 | .329 | .370 | .410 | .449 | .488 | .527 | .566 | .604 | 1 |
| 2 | .042 | .084 | .126 | .168 | .209 | .251 | .292 | .333 | .374 | .414 | .454 | .494 | .533 | .572 | .611 | 2 |
| 3 | .042 | .085 | .127 | .169 | .212 | .254 | .295 | .337 | .378 | .419 | .460 | .500 | .540 | .579 | .618 | 3 |
| 4 | .043 | .086 | .129 | .171 | .214 | .256 | .299 | .340 | .382 | .424 | .465 | .506 | .546 | .586 | .625 | 4 |
| 5 | .043 | .087 | .130 | .173 | .216 | .259 | .302 | .344 | .387 | .429 | .470 | .511 | .552 | .592 | .632 | 5 |
| 6 | .044 | .088 | .131 | .175 | .219 | .262 | .305 | .348 | .391 | .433 | .475 | .517 | .558 | .599 | .639 | 6 |
| 7 | .044 | .089 | .133 | .177 | .221 | .265 | .308 | .352 | .395 | .438 | .480 | .522 | .564 | .606 | .646 | 7 |
| 8 | .045 | .090 | .134 | .179 | .223 | .268 | .312 | .356 | .399 | .443 | .486 | .528 | .570 | .612 | .653 | 8 |
| + 8.9 | .045 | .090 | .136 | .181 | .226 | .271 | .315 | .360 | .404 | .448 | .491 | .534 | .577 | .619 | .661 | + 8.9 |
| + 9.0 | .0046 | .0091 | .0137 | .0183 | .0228 | .0273 | .0318 | .0363 | .0408 | .0452 | .0496 | .0540 | .0583 | .0626 | .0668 | + 9.0 |
| 1 | .046 | .092 | .139 | .185 | .230 | .276 | .322 | .367 | .412 | .457 | .501 | .545 | .589 | .632 | .675 | 1 |
| 2 | .047 | .093 | .140 | .186 | .233 | .279 | .325 | .371 | .416 | .462 | .507 | .551 | .595 | .639 | .682 | 2 |
| 3 | .047 | .094 | .141 | .188 | .235 | .282 | .328 | .375 | .421 | .467 | .512 | .557 | .601 | .645 | .689 | 3 |
| 4 | .048 | .095 | .143 | .190 | .238 | .285 | .332 | .378 | .425 | .471 | .517 | .562 | .607 | .652 | .696 | 4 |
| 5 | .048 | .096 | .144 | .192 | .240 | .288 | .335 | .382 | .429 | .476 | .522 | .568 | .614 | .659 | .703 | 5 |
| 6 | .049 | .097 | .146 | .194 | .242 | .290 | .338 | .386 | .434 | .481 | .527 | .574 | .620 | .665 | .710 | 6 |
| 7 | .049 | .098 | .147 | .196 | .245 | .293 | .342 | .390 | .438 | .485 | .533 | .579 | .626 | .672 | .717 | 7 |
| 8 | .050 | .099 | .148 | .198 | .247 | .296 | .345 | .394 | .442 | .490 | .538 | .585 | .632 | .678 | .724 | 8 |
| + 9.9 | .050 | .100 | .150 | .200 | .249 | .299 | .348 | .397 | .446 | .495 | .543 | .591 | .638 | .685 | .732 | + 9.9 |

TABLE X. *continued.*—For $D = -19^\circ$.

Y Positive.

 $\xi = X - \frac{1}{20} X - \frac{1}{240} X$ — following table.

| X. Y. | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. | X. Y. |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| +10°0 | 0050 | 0101 | 0151 | 0202 | 0252 | 0302 | 0352 | 0401 | 0451 | 0500 | 0548 | 0596 | 0644 | 0692 | 0739 | +10°0 |
| 1 | 051 | 102 | 153 | 204 | 254 | 305 | 355 | 405 | 455 | 504 | 553 | 602 | 650 | 698 | 746 | 1 |
| 2 | 051 | 103 | 154 | 205 | 256 | 308 | 358 | 409 | 459 | 509 | 559 | 608 | 656 | 705 | 753 | 2 |
| 3 | 052 | 104 | 156 | 207 | 259 | 310 | 362 | 412 | 463 | 514 | 564 | 614 | 663 | 712 | 760 | 3 |
| 4 | 052 | 105 | 157 | 209 | 261 | 313 | 365 | 416 | 468 | 518 | 569 | 619 | 669 | 718 | 767 | 4 |
| 5 | 053 | 106 | 158 | 211 | 264 | 316 | 368 | 420 | 472 | 523 | 574 | 625 | 675 | 725 | 774 | 5 |
| 6 | 053 | 107 | 160 | 213 | 266 | 319 | 371 | 424 | 476 | 528 | 579 | 630 | 681 | 732 | 781 | 6 |
| 7 | 054 | 108 | 161 | 215 | 268 | 322 | 375 | 428 | 480 | 533 | 585 | 636 | 687 | 738 | 788 | 7 |
| 8 | 054 | 108 | 163 | 217 | 271 | 324 | 378 | 431 | 485 | 537 | 590 | 642 | 694 | 745 | 796 | 8 |
| +10°9 | 055 | 109 | 164 | 219 | 273 | 327 | 381 | 435 | 489 | 542 | 595 | 648 | 700 | 752 | 803 | +10°9 |
| +11°0 | 0055 | 0110 | 0166 | 0221 | 0275 | 0330 | 0385 | 0439 | 0493 | 0547 | 0600 | 0653 | 0706 | 0758 | 0810 | +11°0 |
| 1 | 056 | 111 | 167 | 222 | 278 | 333 | 388 | 443 | 498 | 552 | 605 | 659 | 712 | 765 | 817 | 1 |
| 2 | 056 | 112 | 168 | 224 | 280 | 336 | 391 | 447 | 502 | 556 | 611 | 665 | 718 | 771 | 824 | 2 |
| 3 | 057 | 113 | 170 | 226 | 282 | 339 | 395 | 450 | 506 | 561 | 616 | 670 | 724 | 778 | 831 | 3 |
| 4 | 057 | 114 | 171 | 228 | 285 | 342 | 398 | 454 | 510 | 566 | 621 | 676 | 730 | 785 | 838 | 4 |
| 5 | 058 | 115 | 173 | 230 | 287 | 344 | 401 | 458 | 515 | 571 | 626 | 682 | 737 | 791 | 845 | 5 |
| 6 | 058 | 116 | 174 | 232 | 290 | 347 | 405 | 462 | 519 | 575 | 632 | 687 | 743 | 798 | 852 | 6 |
| 7 | 059 | 117 | 176 | 234 | 292 | 350 | 408 | 466 | 523 | 580 | 637 | 693 | 749 | 804 | 860 | 7 |
| 8 | 059 | 118 | 177 | 236 | 294 | 353 | 411 | 469 | 527 | 585 | 642 | 699 | 755 | 811 | 867 | 8 |
| +11°9 | 059 | 119 | 178 | 238 | 297 | 356 | 415 | 473 | 532 | 590 | 647 | 704 | 761 | 818 | 874 | +11°9 |
| +12°0 | 0060 | 0120 | 0180 | 0240 | 0299 | 0359 | 0418 | 0477 | 0536 | 0594 | 0652 | 0710 | 0767 | 0824 | 0881 | +12°0 |
| 1 | 060 | 121 | 181 | 241 | 301 | 362 | 421 | 481 | 540 | 599 | 658 | 716 | 774 | 831 | 888 | 1 |
| 2 | 061 | 122 | 183 | 243 | 304 | 364 | 424 | 484 | 544 | 604 | 663 | 721 | 780 | 838 | 895 | 2 |
| 3 | 061 | 123 | 184 | 245 | 306 | 367 | 428 | 488 | 549 | 608 | 668 | 727 | 786 | 844 | 902 | 3 |
| 4 | 062 | 124 | 185 | 247 | 309 | 370 | 431 | 492 | 553 | 613 | 673 | 733 | 792 | 851 | 909 | 4 |
| 5 | 062 | 125 | 187 | 249 | 311 | 373 | 434 | 496 | 557 | 618 | 678 | 738 | 798 | 858 | 916 | 5 |
| 6 | 063 | 126 | 188 | 251 | 313 | 376 | 438 | 500 | 561 | 623 | 684 | 744 | 804 | 864 | 923 | 6 |
| 7 | 063 | 126 | 190 | 253 | 316 | 378 | 441 | 503 | 566 | 627 | 689 | 750 | 810 | 871 | 931 | 7 |
| 8 | 064 | 127 | 191 | 255 | 318 | 381 | 444 | 507 | 570 | 632 | 694 | 756 | 817 | 878 | 938 | 8 |
| +12°9 | 064 | 128 | 192 | 257 | 320 | 384 | 448 | 511 | 574 | 637 | 699 | 761 | 823 | 884 | 945 | +12°9 |
| +13°0 | 0065 | 0129 | 0194 | 0258 | 0323 | 0387 | 0451 | 0515 | 0578 | 0642 | 0704 | 0767 | 0829 | 0891 | 0952 | +13°0 |

TABLE XI.—For $D = -10^\circ$. η Negative. $X = \xi + \frac{1}{20}\xi + \text{following table.}$

| ξ | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | ξ |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| η | | | | | | | | | | | | | | η |
| —13.0 | 0008 | 0016 | 0023 | 0031 | 0038 | 0045 | 0052 | 0058 | 0064 | 0070 | 0075 | 0079 | 0083 | —13.0 |
| —12.9 | 0008 | 0017 | 0025 | 0033 | 0041 | 0048 | 0055 | 0062 | 0069 | 0075 | 0080 | 0086 | 0090 | —12.9 |
| 8 | 0009 | 018 | 026 | 035 | 043 | 051 | 059 | 067 | 074 | 080 | 086 | 092 | 097 | 8 |
| 7 | 0009 | 019 | 028 | 037 | 046 | 054 | 063 | 071 | 078 | 086 | 092 | 098 | 104 | 7 |
| 6 | 010 | 020 | 030 | 039 | 048 | 058 | 066 | 075 | 083 | 091 | 098 | 104 | 110 | 6 |
| 5 | 010 | 021 | 031 | 041 | 051 | 061 | 070 | 079 | 088 | 096 | 104 | 111 | 117 | 5 |
| 4 | 011 | 022 | 033 | 043 | 054 | 064 | 074 | 083 | 092 | 101 | 109 | 117 | 124 | 4 |
| 3 | 011 | 023 | 034 | 045 | 056 | 067 | 077 | 088 | 097 | 106 | 115 | 123 | 131 | 3 |
| 2 | 012 | 024 | 036 | 048 | 059 | 070 | 081 | 092 | 102 | 112 | 121 | 129 | 138 | 2 |
| 1 | 012 | 025 | 037 | 050 | 062 | 073 | 085 | 096 | 107 | 117 | 127 | 136 | 145 | 1 |
| —12.0 | 013 | 026 | 039 | 052 | 064 | 076 | 088 | 100 | 111 | 122 | 132 | 142 | 151 | —12.0 |
| —11.9 | 0014 | 0027 | 0040 | 0054 | 0067 | 0080 | 0092 | 0104 | 0116 | 0127 | 0138 | 0148 | 0158 | —11.9 |
| 8 | 014 | 028 | 042 | 056 | 069 | 083 | 096 | 108 | 121 | 133 | 144 | 154 | 165 | 8 |
| 7 | 015 | 029 | 044 | 058 | 072 | 086 | 099 | 113 | 125 | 138 | 150 | 161 | 172 | 7 |
| 6 | 015 | 030 | 045 | 060 | 075 | 089 | 103 | 117 | 130 | 143 | 155 | 167 | 178 | 6 |
| 5 | 016 | 031 | 047 | 062 | 077 | 092 | 107 | 121 | 135 | 148 | 161 | 173 | 185 | 5 |
| 4 | 016 | 032 | 048 | 064 | 080 | 095 | 110 | 125 | 140 | 154 | 167 | 180 | 192 | 4 |
| 3 | 017 | 033 | 050 | 066 | 083 | 098 | 114 | 129 | 144 | 159 | 173 | 186 | 199 | 3 |
| 2 | 017 | 034 | 052 | 068 | 085 | 102 | 118 | 134 | 149 | 164 | 178 | 192 | 206 | 2 |
| 1 | 018 | 035 | 053 | 070 | 088 | 105 | 121 | 138 | 154 | 169 | 184 | 199 | 212 | 1 |
| —11.0 | 018 | 036 | 055 | 073 | 090 | 108 | 125 | 142 | 158 | 174 | 190 | 205 | 219 | —11.0 |
| —10.9 | 0019 | 0037 | 0056 | 0075 | 0093 | 0111 | 0129 | 0146 | 0163 | 0180 | 0196 | 0211 | 0226 | —10.9 |
| 8 | 019 | 039 | 058 | 077 | 096 | 114 | 132 | 150 | 168 | 185 | 202 | 218 | 233 | 8 |
| 7 | 020 | 040 | 059 | 079 | 098 | 117 | 136 | 154 | 173 | 190 | 207 | 224 | 240 | 7 |
| 6 | 020 | 041 | 061 | 081 | 101 | 120 | 140 | 159 | 177 | 195 | 213 | 230 | 246 | 6 |
| 5 | 021 | 042 | 062 | 083 | 104 | 124 | 143 | 163 | 182 | 201 | 219 | 236 | 253 | 5 |
| 4 | 021 | 043 | 064 | 085 | 106 | 127 | 147 | 167 | 187 | 206 | 225 | 243 | 260 | 4 |
| 3 | 022 | 044 | 066 | 087 | 109 | 130 | 151 | 171 | 191 | 211 | 230 | 249 | 267 | 3 |
| 2 | 022 | 045 | 067 | 089 | 111 | 133 | 154 | 176 | 196 | 216 | 236 | 255 | 274 | 2 |
| 1 | 023 | 046 | 069 | 092 | 114 | 136 | 158 | 180 | 201 | 222 | 242 | 261 | 281 | 1 |
| —10.0 | 024 | 047 | 070 | 094 | 117 | 139 | 162 | 184 | 206 | 227 | 248 | 268 | 288 | —10.0 |
| —9.9 | 0024 | 0048 | 0072 | 0096 | 0119 | 0142 | 0165 | 0188 | 0210 | 0232 | 0253 | 0274 | 0294 | —9.9 |
| 8 | 025 | 049 | 074 | 098 | 122 | 146 | 169 | 192 | 215 | 237 | 259 | 280 | 301 | 8 |
| 7 | 025 | 050 | 075 | 100 | 124 | 149 | 173 | 196 | 220 | 243 | 265 | 287 | 308 | 7 |
| 6 | 026 | 051 | 077 | 102 | 127 | 152 | 176 | 201 | 224 | 248 | 271 | 293 | 315 | 6 |
| 5 | 026 | 052 | 078 | 104 | 130 | 155 | 180 | 205 | 229 | 253 | 276 | 299 | 322 | 5 |
| 4 | 027 | 053 | 080 | 106 | 132 | 158 | 184 | 209 | 234 | 258 | 282 | 305 | 328 | 4 |
| 3 | 027 | 054 | 081 | 108 | 135 | 161 | 187 | 213 | 239 | 264 | 288 | 312 | 335 | 3 |
| 2 | 028 | 055 | 083 | 110 | 138 | 164 | 191 | 217 | 243 | 269 | 294 | 318 | 342 | 2 |
| 1 | 028 | 056 | 084 | 112 | 140 | 168 | 195 | 222 | 248 | 274 | 300 | 324 | 349 | 1 |
| —9.0 | 029 | 057 | 086 | 114 | 143 | 171 | 199 | 226 | 253 | 279 | 305 | 331 | 356 | —9.0 |
| —8.9 | 0029 | 0058 | 0088 | 0117 | 0145 | 0174 | 0202 | 0230 | 0258 | 0285 | 0311 | 0337 | 0362 | —8.9 |
| 8 | 030 | 060 | 089 | 119 | 148 | 177 | 206 | 234 | 262 | 290 | 317 | 343 | 369 | 8 |
| 7 | 030 | 061 | 091 | 121 | 151 | 180 | 210 | 238 | 267 | 295 | 323 | 350 | 376 | 7 |
| 6 | 031 | 062 | 092 | 123 | 153 | 183 | 213 | 243 | 272 | 300 | 328 | 356 | 383 | 6 |
| 5 | 031 | 063 | 094 | 125 | 156 | 186 | 217 | 247 | 276 | 306 | 334 | 362 | 390 | 5 |
| 4 | 032 | 064 | 096 | 127 | 159 | 190 | 220 | 251 | 281 | 311 | 340 | 368 | 396 | 4 |
| 3 | 032 | 065 | 097 | 129 | 161 | 193 | 224 | 255 | 286 | 316 | 346 | 375 | 403 | 3 |
| 2 | 033 | 066 | 099 | 131 | 164 | 196 | 228 | 259 | 290 | 321 | 352 | 381 | 410 | 2 |
| 1 | 034 | 067 | 100 | 133 | 166 | 199 | 232 | 264 | 295 | 327 | 357 | 387 | 417 | 1 |
| —8.0 | 034 | 068 | 102 | 136 | 169 | 202 | 235 | 268 | 300 | 332 | 363 | 394 | 424 | —8.0 |

TABLE XI. *continued.*—For $D = -19^\circ$.

" Negative.

 $X = \xi + \frac{1}{20}\xi + \text{following table.}$

| ξ . | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | ξ . |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| η . | | | | | | | | | | | | | | η . |
| -7.9 | .0035 | .0069 | .0103 | .0138 | .0172 | .0205 | .0239 | .0272 | .0305 | .0337 | .0369 | .0400 | .0431 | -7.9 |
| 8 | .035 | .070 | .105 | .140 | .174 | .209 | .243 | .276 | .310 | .342 | .375 | .406 | .438 | 8 |
| 7 | .036 | .071 | .107 | .142 | .177 | .212 | .246 | .280 | .314 | .348 | .380 | .413 | .444 | 7 |
| 6 | .036 | .072 | .108 | .144 | .180 | .215 | .250 | .285 | .319 | .353 | .386 | .419 | .451 | 6 |
| 5 | .037 | .073 | .110 | .146 | .182 | .218 | .254 | .289 | .324 | .358 | .392 | .425 | .458 | 5 |
| 4 | .037 | .074 | .111 | .148 | .185 | .221 | .257 | .293 | .328 | .363 | .398 | .432 | .465 | 4 |
| 3 | .038 | .075 | .113 | .150 | .187 | .224 | .261 | .297 | .333 | .369 | .404 | .438 | .472 | 3 |
| 2 | .038 | .076 | .114 | .152 | .190 | .228 | .265 | .302 | .338 | .374 | .409 | .444 | .479 | 2 |
| 1 | .039 | .077 | .116 | .154 | .193 | .231 | .268 | .306 | .343 | .379 | .415 | .451 | .485 | 1 |
| -7.0 | .039 | .078 | .118 | .157 | .195 | .234 | .272 | .310 | .347 | .384 | .421 | .457 | .492 | -7.0 |
| -6.9 | .040 | .080 | .0119 | .0159 | .0198 | .0237 | .0276 | .0314 | .0352 | .0390 | .0427 | .0463 | .0499 | -6.9 |
| 8 | .040 | .081 | .121 | .161 | .201 | .240 | .279 | .318 | .357 | .395 | .432 | .470 | .506 | 8 |
| 7 | .041 | .082 | .122 | .163 | .203 | .243 | .283 | .322 | .362 | .400 | .438 | .476 | .513 | 7 |
| 6 | .041 | .083 | .124 | .165 | .206 | .246 | .287 | .327 | .366 | .405 | .444 | .482 | .520 | 6 |
| 5 | .042 | .084 | .126 | .167 | .208 | .250 | .290 | .331 | .371 | .411 | .450 | .488 | .526 | 5 |
| 4 | .042 | .085 | .127 | .169 | .211 | .253 | .294 | .335 | .376 | .416 | .456 | .495 | .533 | 4 |
| 3 | .043 | .086 | .129 | .171 | .214 | .256 | .298 | .339 | .380 | .421 | .462 | .501 | .540 | 3 |
| 2 | .044 | .087 | .130 | .173 | .216 | .259 | .301 | .344 | .385 | .426 | .467 | .507 | .547 | 2 |
| 1 | .044 | .088 | .132 | .176 | .219 | .262 | .305 | .348 | .390 | .432 | .473 | .514 | .554 | 1 |
| -6.0 | .045 | .089 | .133 | .178 | .222 | .265 | .309 | .352 | .395 | .437 | .479 | .520 | .561 | -6.0 |
| -5.9 | .045 | .090 | .0135 | .0180 | .0224 | .0269 | .0312 | .0356 | .0399 | .0442 | .0485 | .0526 | .0568 | -5.9 |
| 8 | .046 | .091 | .137 | .182 | .227 | .272 | .316 | .360 | .404 | .448 | .490 | .533 | .574 | 8 |
| 7 | .046 | .092 | .138 | .184 | .230 | .275 | .320 | .365 | .409 | .453 | .496 | .539 | .581 | 7 |
| 6 | .047 | .093 | .140 | .186 | .232 | .278 | .324 | .369 | .414 | .458 | .502 | .545 | .588 | 6 |
| 5 | .047 | .094 | .141 | .188 | .235 | .281 | .327 | .373 | .418 | .463 | .508 | .552 | .595 | 5 |
| 4 | .048 | .095 | .143 | .190 | .238 | .284 | .331 | .377 | .423 | .469 | .514 | .558 | .602 | 4 |
| 3 | .048 | .096 | .144 | .192 | .240 | .288 | .335 | .382 | .428 | .474 | .519 | .564 | .609 | 3 |
| 2 | .049 | .097 | .146 | .194 | .243 | .291 | .338 | .386 | .433 | .479 | .525 | .571 | .615 | 2 |
| 1 | .049 | .098 | .148 | .197 | .245 | .294 | .342 | .390 | .437 | .484 | .531 | .577 | .622 | 1 |
| -5.0 | .050 | .100 | .149 | .199 | .248 | .297 | .346 | .394 | .442 | .490 | .537 | .583 | .629 | -5.0 |
| -4.9 | .050 | .0101 | .0151 | .0201 | .0251 | .0300 | .0349 | .0398 | .0447 | .0495 | .0542 | .0590 | .0636 | -4.9 |
| 8 | .051 | .102 | .152 | .203 | .253 | .303 | .353 | .403 | .452 | .500 | .548 | .596 | .643 | 8 |
| 7 | .051 | .103 | .154 | .205 | .256 | .306 | .357 | .407 | .456 | .506 | .554 | .602 | .650 | 7 |
| 6 | .052 | .104 | .156 | .207 | .259 | .310 | .360 | .411 | .461 | .511 | .560 | .609 | .657 | 6 |
| 5 | .052 | .105 | .157 | .209 | .261 | .313 | .364 | .415 | .466 | .516 | .566 | .615 | .663 | 5 |
| 4 | .053 | .106 | .159 | .211 | .264 | .316 | .368 | .420 | .471 | .521 | .572 | .621 | .670 | 4 |
| 3 | .054 | .107 | .160 | .214 | .266 | .319 | .372 | .424 | .475 | .527 | .577 | .628 | .677 | 3 |
| 2 | .054 | .108 | .162 | .216 | .269 | .322 | .375 | .428 | .480 | .532 | .583 | .634 | .684 | 2 |
| 1 | .055 | .109 | .163 | .218 | .272 | .326 | .379 | .432 | .485 | .537 | .589 | .640 | .691 | 1 |
| -4.0 | .055 | .110 | .165 | .220 | .274 | .329 | .383 | .436 | .490 | .542 | .595 | .646 | .698 | -4.0 |
| -3.9 | .056 | .0111 | .0167 | .0222 | .0277 | .0332 | .0386 | .0440 | .0494 | .0548 | .0600 | .0653 | .0705 | -3.9 |
| 8 | .056 | .112 | .168 | .224 | .280 | .335 | .390 | .445 | .499 | .553 | .606 | .659 | .711 | 8 |
| 7 | .057 | .113 | .170 | .226 | .282 | .338 | .394 | .449 | .504 | .558 | .612 | .665 | .718 | 7 |
| 6 | .057 | .114 | .171 | .228 | .285 | .341 | .397 | .453 | .509 | .564 | .618 | .672 | .725 | 6 |
| 5 | .058 | .115 | .173 | .230 | .288 | .344 | .401 | .457 | .513 | .569 | .624 | .678 | .732 | 5 |
| 4 | .058 | .116 | .174 | .232 | .290 | .348 | .405 | .462 | .518 | .574 | .630 | .684 | .739 | 4 |
| 3 | .059 | .117 | .176 | .235 | .293 | .351 | .408 | .466 | .523 | .579 | .635 | .691 | .746 | 3 |
| 2 | .059 | .118 | .178 | .237 | .296 | .354 | .412 | .470 | .528 | .585 | .641 | .697 | .753 | 2 |
| 1 | .060 | .120 | .179 | .239 | .298 | .357 | .416 | .474 | .532 | .590 | .647 | .703 | .759 | 1 |
| -3.0 | .060 | .121 | .181 | .241 | .301 | .360 | .420 | .478 | .537 | .595 | .653 | .710 | .766 | -3.0 |

TABLE XI. *continued.*—For $D = -19^\circ$. η Negative. $X = \xi + \frac{1}{20}\xi$ + following table.

| ξ η | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | ξ η |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
| — 2.9 | 0061 | 0122 | 0182 | 0243 | 0303 | 0364 | 0423 | 0483 | 0542 | 0600 | 0659 | 0716 | 0773 | — 2.9 |
| 8 | 061 | 123 | 184 | 245 | 306 | 367 | 427 | 487 | 547 | 606 | 664 | 722 | 780 | 8 |
| 7 | 062 | 124 | 186 | 247 | 309 | 370 | 431 | 491 | 551 | 611 | 670 | 729 | 787 | 7 |
| 6 | 062 | 125 | 187 | 249 | 311 | 373 | 434 | 496 | 556 | 616 | 676 | 735 | 794 | 6 |
| 5 | 063 | 126 | 189 | 252 | 314 | 376 | 438 | 500 | 561 | 622 | 682 | 741 | 801 | 5 |
| 4 | 064 | 127 | 190 | 254 | 317 | 379 | 442 | 504 | 566 | 627 | 688 | 748 | 808 | 4 |
| 3 | 064 | 128 | 192 | 256 | 319 | 382 | 445 | 508 | 570 | 632 | 693 | 754 | 814 | 3 |
| 2 | 065 | 129 | 194 | 258 | 322 | 386 | 449 | 512 | 575 | 638 | 699 | 761 | 821 | 2 |
| 1 | 065 | 130 | 195 | 260 | 325 | 389 | 453 | 517 | 580 | 643 | 705 | 767 | 828 | 1 |
| — 2.0 | 066 | 131 | 197 | 262 | 327 | 392 | 457 | 521 | 585 | 648 | 711 | 773 | 835 | — 2.0 |
| — 1.9 | 0066 | 0132 | 0198 | 0264 | 0330 | 0395 | 0460 | 0525 | 0589 | 0653 | 0717 | 0780 | 0842 | — 1.9 |
| 8 | 067 | 133 | 200 | 266 | 332 | 398 | 464 | 529 | 594 | 659 | 722 | 786 | 849 | 8 |
| 7 | 067 | 134 | 202 | 268 | 335 | 402 | 468 | 534 | 599 | 664 | 728 | 792 | 856 | 7 |
| 6 | 068 | 135 | 203 | 270 | 338 | 405 | 471 | 538 | 604 | 669 | 734 | 799 | 862 | 6 |
| 5 | 068 | 136 | 205 | 273 | 340 | 408 | 475 | 542 | 608 | 674 | 740 | 805 | 869 | 5 |
| 4 | 069 | 138 | 206 | 275 | 343 | 411 | 479 | 546 | 613 | 680 | 746 | 811 | 876 | 4 |
| 3 | 069 | 139 | 208 | 277 | 346 | 414 | 482 | 550 | 618 | 685 | 752 | 818 | 883 | 3 |
| 2 | 070 | 140 | 209 | 279 | 348 | 417 | 486 | 555 | 623 | 690 | 758 | 824 | 890 | 2 |
| 1 | 070 | 141 | 211 | 281 | 351 | 421 | 490 | 559 | 627 | 696 | 763 | 830 | 897 | 1 |
| — 1.0 | 071 | 142 | 213 | 283 | 354 | 424 | 494 | 563 | 632 | 701 | 769 | 837 | 904 | — 1.0 |
| — 0.9 | 0071 | 0143 | 0214 | 0285 | 0356 | 0427 | 0497 | 0567 | 0637 | 0706 | 0775 | 0843 | 0911 | — 0.9 |
| 8 | 072 | 144 | 216 | 287 | 359 | 430 | 501 | 572 | 642 | 712 | 781 | 849 | 917 | 8 |
| 7 | 072 | 145 | 217 | 290 | 362 | 433 | 505 | 576 | 646 | 717 | 786 | 856 | 924 | 7 |
| 6 | 073 | 146 | 219 | 292 | 364 | 436 | 508 | 580 | 651 | 722 | 792 | 862 | 931 | 6 |
| 5 | 074 | 147 | 220 | 294 | 367 | 440 | 512 | 584 | 656 | 727 | 798 | 868 | 938 | 5 |
| 4 | 074 | 148 | 222 | 296 | 370 | 443 | 516 | 588 | 661 | 733 | 804 | 875 | 945 | 4 |
| 3 | 075 | 149 | 224 | 298 | 372 | 446 | 520 | 593 | 666 | 738 | 810 | 881 | 952 | 3 |
| 2 | 075 | 150 | 225 | 300 | 375 | 449 | 523 | 597 | 670 | 743 | 816 | 887 | 959 | 2 |
| 1 | 076 | 151 | 227 | 302 | 377 | 452 | 527 | 601 | 675 | 749 | 822 | 894 | 966 | 1 |
| — 0.0 | 0076 | 0152 | 0228 | 0304 | 0380 | 0456 | 0531 | 0606 | 0680 | 0754 | 0827 | 0900 | 0973 | — 0.0 |

TABLE XII.—For $D = -19^\circ$. η Positive.

$$X = \xi + \frac{1}{20}\xi + \frac{1}{140}\xi + \text{following table.}$$

| ξ | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | ξ |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| η | | | | | | | | | | | | | | η |
| + 0.0 | 0005 | 0010 | 0014 | 0019 | 0023 | 0027 | 0031 | 0034 | 0037 | 0040 | 0042 | 0043 | 0044 | + 0.0 |
| 1 | 005 | 011 | 016 | 021 | 026 | 030 | 034 | 038 | 042 | 045 | 047 | 049 | 051 | 1 |
| 2 | 006 | 012 | 017 | 023 | 028 | 033 | 038 | 042 | 047 | 050 | 053 | 056 | 058 | 2 |
| 3 | 006 | 013 | 019 | 025 | 031 | 036 | 042 | 047 | 051 | 055 | 059 | 062 | 064 | 3 |
| 4 | 007 | 014 | 020 | 027 | 034 | 040 | 046 | 051 | 056 | 061 | 065 | 068 | 071 | 4 |
| 5 | 007 | 015 | 022 | 029 | 036 | 043 | 049 | 055 | 061 | 066 | 071 | 075 | 078 | 5 |
| 6 | 008 | 016 | 024 | 031 | 039 | 046 | 053 | 059 | 066 | 071 | 077 | 081 | 085 | 6 |
| 7 | 008 | 017 | 025 | 034 | 042 | 049 | 057 | 064 | 070 | 077 | 082 | 088 | 092 | 7 |
| 8 | 009 | 018 | 027 | 036 | 044 | 052 | 060 | 068 | 075 | 082 | 088 | 094 | 099 | 8 |
| + 0.9 | 010 | 019 | 028 | 038 | 047 | 056 | 064 | 072 | 080 | 087 | 094 | 100 | 106 | + 0.9 |
| + 1.0 | 0010 | 0020 | 0030 | 0040 | 0049 | 0059 | 0068 | 0076 | 0085 | 0092 | 0100 | 0107 | 0113 | + 1.0 |
| 1 | 011 | 021 | 032 | 042 | 052 | 062 | 071 | 081 | 090 | 098 | 106 | 113 | 120 | 1 |
| 2 | 011 | 022 | 033 | 044 | 055 | 065 | 075 | 085 | 094 | 103 | 112 | 119 | 126 | 2 |
| 3 | 012 | 023 | 035 | 046 | 057 | 068 | 079 | 089 | 099 | 108 | 117 | 126 | 133 | 3 |
| 4 | 012 | 024 | 036 | 048 | 060 | 071 | 083 | 093 | 104 | 114 | 123 | 132 | 140 | 4 |
| 5 | 013 | 025 | 038 | 050 | 063 | 075 | 086 | 098 | 109 | 119 | 129 | 138 | 147 | 5 |
| 6 | 013 | 026 | 040 | 053 | 065 | 078 | 090 | 102 | 113 | 124 | 135 | 145 | 154 | 6 |
| 7 | 014 | 028 | 041 | 055 | 068 | 081 | 094 | 106 | 118 | 130 | 141 | 151 | 161 | 7 |
| 8 | 014 | 029 | 043 | 057 | 071 | 084 | 097 | 110 | 123 | 135 | 146 | 158 | 168 | 8 |
| + 1.9 | 015 | 030 | 044 | 059 | 073 | 087 | 101 | 115 | 128 | 140 | 152 | 164 | 175 | + 1.9 |
| + 2.0 | 0015 | 0031 | 0046 | 0061 | 0076 | 0090 | 0105 | 0119 | 0132 | 0146 | 0158 | 0170 | 0182 | + 2.0 |
| 1 | 016 | 032 | 048 | 063 | 079 | 094 | 108 | 123 | 137 | 151 | 164 | 177 | 189 | 1 |
| 2 | 016 | 033 | 049 | 065 | 081 | 097 | 112 | 127 | 142 | 156 | 170 | 183 | 196 | 2 |
| 3 | 017 | 034 | 051 | 068 | 084 | 100 | 116 | 132 | 147 | 162 | 176 | 189 | 202 | 3 |
| 4 | 017 | 035 | 052 | 070 | 087 | 103 | 120 | 136 | 152 | 167 | 182 | 196 | 209 | 4 |
| 5 | 018 | 036 | 054 | 072 | 089 | 106 | 123 | 140 | 156 | 172 | 187 | 202 | 216 | 5 |
| 6 | 019 | 037 | 056 | 074 | 092 | 110 | 127 | 144 | 161 | 177 | 193 | 209 | 223 | 6 |
| 7 | 019 | 038 | 057 | 076 | 095 | 113 | 131 | 149 | 166 | 183 | 199 | 215 | 230 | 7 |
| 8 | 020 | 039 | 059 | 078 | 097 | 116 | 135 | 153 | 171 | 188 | 205 | 221 | 237 | 8 |
| + 2.9 | 020 | 040 | 060 | 080 | 100 | 119 | 138 | 157 | 175 | 193 | 211 | 228 | 244 | + 2.9 |
| + 3.0 | 0021 | 0041 | 0062 | 0082 | 0102 | 0122 | 0142 | 0161 | 0180 | 0199 | 0217 | 0234 | 0251 | + 3.0 |
| 1 | 021 | 042 | 064 | 084 | 105 | 126 | 146 | 166 | 185 | 204 | 222 | 240 | 258 | 1 |
| 2 | 022 | 043 | 065 | 087 | 108 | 129 | 150 | 170 | 190 | 209 | 228 | 247 | 265 | 2 |
| 3 | 022 | 044 | 067 | 089 | 110 | 132 | 153 | 174 | 195 | 215 | 234 | 253 | 272 | 3 |
| 4 | 023 | 046 | 068 | 091 | 113 | 135 | 157 | 178 | 199 | 220 | 240 | 260 | 278 | 4 |
| 5 | 023 | 047 | 070 | 093 | 116 | 138 | 161 | 183 | 204 | 225 | 246 | 266 | 285 | 5 |
| 6 | 024 | 048 | 072 | 095 | 118 | 142 | 164 | 187 | 209 | 230 | 252 | 272 | 292 | 6 |
| 7 | 024 | 049 | 073 | 097 | 121 | 145 | 168 | 191 | 214 | 236 | 258 | 279 | 299 | 7 |
| 8 | 025 | 050 | 075 | 099 | 124 | 148 | 172 | 195 | 218 | 241 | 263 | 285 | 306 | 8 |
| + 3.9 | 025 | 051 | 076 | 102 | 126 | 151 | 176 | 200 | 223 | 246 | 269 | 292 | 313 | + 3.9 |
| + 4.0 | 0026 | 0052 | 0078 | 0104 | 0129 | 0154 | 0179 | 0204 | 0228 | 0252 | 0275 | 0298 | 0320 | + 4.0 |
| 1 | 027 | 053 | 079 | 106 | 132 | 158 | 183 | 208 | 233 | 257 | 281 | 304 | 327 | 1 |
| 2 | 027 | 054 | 081 | 108 | 134 | 161 | 187 | 212 | 238 | 262 | 287 | 311 | 334 | 2 |
| 3 | 028 | 055 | 083 | 110 | 137 | 164 | 190 | 217 | 242 | 268 | 293 | 317 | 340 | 3 |
| 4 | 028 | 056 | 084 | 112 | 140 | 167 | 194 | 221 | 247 | 273 | 299 | 323 | 347 | 4 |
| 5 | 029 | 057 | 086 | 114 | 142 | 170 | 198 | 225 | 252 | 278 | 304 | 330 | 354 | 5 |
| 6 | 029 | 058 | 087 | 116 | 145 | 174 | 202 | 229 | 257 | 284 | 310 | 336 | 361 | 6 |
| 7 | 030 | 059 | 089 | 118 | 148 | 177 | 205 | 234 | 262 | 289 | 316 | 342 | 368 | 7 |
| 8 | 030 | 060 | 091 | 121 | 150 | 180 | 209 | 238 | 266 | 294 | 322 | 349 | 375 | 8 |
| + 4.9 | 031 | 062 | 092 | 123 | 153 | 183 | 213 | 242 | 271 | 300 | 328 | 355 | 382 | + 4.9 |

TABLE XII. *continued.*—For $D = -19^\circ$.

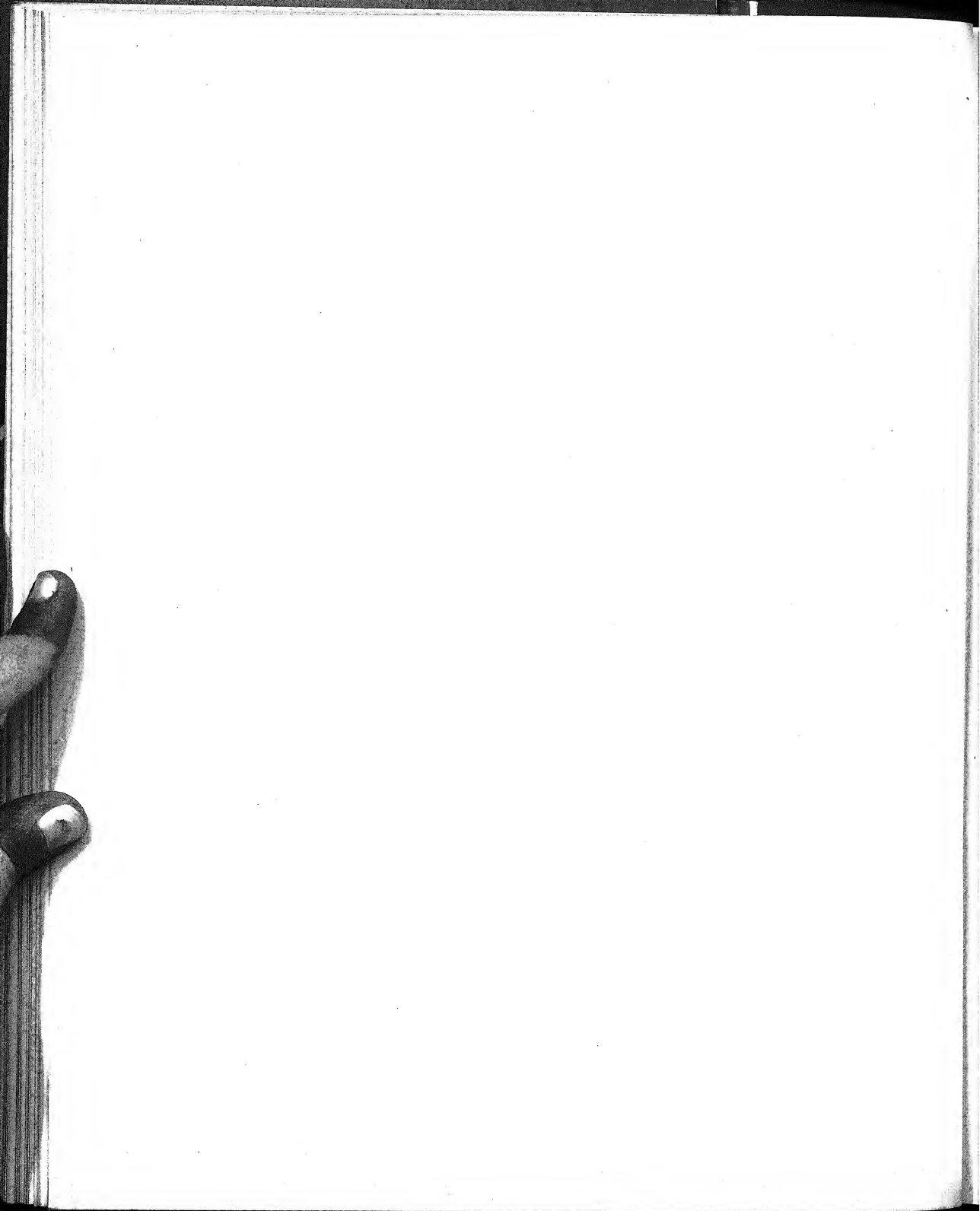
η Positive. $X = \xi + \frac{1}{20}\xi + \frac{1}{140}\xi + \text{following table.}$

| ξ . | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | ξ . |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| η . | | | | | | | | | | | | | | η . |
| + 5.0 | 0031 | 0063 | 0094 | 0125 | 0156 | 0186 | 0216 | 0246 | 0276 | 0305 | 0334 | 0362 | 0389 | + 5.0 |
| 1 | 032 | 064 | 095 | 127 | 158 | 189 | 220 | 251 | 281 | 310 | 339 | 368 | 396 | 1 |
| 2 | 032 | 065 | 097 | 129 | 161 | 193 | 224 | 255 | 286 | 316 | 345 | 374 | 403 | 2 |
| 3 | 033 | 066 | 099 | 131 | 164 | 196 | 228 | 259 | 290 | 321 | 351 | 381 | 410 | 3 |
| 4 | 033 | 067 | 100 | 133 | 166 | 199 | 231 | 263 | 295 | 326 | 357 | 387 | 417 | 4 |
| 5 | 034 | 068 | 102 | 136 | 169 | 202 | 235 | 268 | 300 | 332 | 363 | 394 | 424 | 5 |
| 6 | 034 | 069 | 103 | 138 | 172 | 205 | 239 | 272 | 305 | 337 | 369 | 400 | 431 | 6 |
| 7 | 035 | 070 | 105 | 140 | 174 | 209 | 242 | 276 | 309 | 342 | 375 | 406 | 437 | 7 |
| 8 | 036 | 071 | 106 | 142 | 177 | 212 | 246 | 280 | 314 | 348 | 380 | 413 | 444 | 8 |
| + 5.9 | 036 | 072 | 108 | 144 | 180 | 215 | 250 | 285 | 319 | 353 | 386 | 419 | 451 | + 5.9 |
| + 6.0 | 0037 | 0073 | 0110 | 0146 | 0182 | 0218 | 0254 | 0289 | 0324 | 0358 | 0392 | 0425 | 0458 | + 6.0 |
| 1 | 037 | 074 | 111 | 148 | 185 | 221 | 258 | 293 | 329 | 364 | 398 | 432 | 465 | 1 |
| 2 | 038 | 075 | 113 | 150 | 188 | 225 | 261 | 298 | 334 | 369 | 404 | 438 | 472 | 2 |
| 3 | 038 | 076 | 115 | 152 | 190 | 228 | 265 | 302 | 338 | 374 | 410 | 445 | 479 | 3 |
| 4 | 039 | 078 | 116 | 155 | 193 | 231 | 269 | 306 | 343 | 380 | 416 | 451 | 486 | 4 |
| 5 | 039 | 079 | 118 | 157 | 196 | 234 | 272 | 310 | 348 | 385 | 422 | 458 | 493 | 5 |
| 6 | 040 | 080 | 119 | 159 | 198 | 237 | 276 | 315 | 353 | 390 | 427 | 464 | 500 | 6 |
| 7 | 040 | 081 | 121 | 161 | 201 | 241 | 280 | 319 | 358 | 396 | 433 | 470 | 507 | 7 |
| 8 | 041 | 082 | 123 | 163 | 204 | 244 | 284 | 323 | 362 | 401 | 439 | 477 | 514 | 8 |
| + 6.9 | 041 | 083 | 124 | 165 | 206 | 247 | 287 | 327 | 367 | 406 | 445 | 483 | 521 | + 6.9 |
| + 7.0 | 0042 | 0084 | 0126 | 0168 | 0209 | 0250 | 0291 | 0332 | 0372 | 0412 | 0451 | 0490 | 0528 | + 7.0 |
| 1 | 042 | 085 | 127 | 170 | 212 | 253 | 295 | 336 | 377 | 417 | 457 | 496 | 534 | 1 |
| 2 | 043 | 086 | 129 | 172 | 214 | 257 | 298 | 340 | 381 | 422 | 463 | 502 | 541 | 2 |
| 3 | 044 | 087 | 131 | 174 | 217 | 260 | 302 | 344 | 386 | 428 | 469 | 509 | 548 | 3 |
| 4 | 044 | 088 | 132 | 176 | 220 | 263 | 306 | 349 | 391 | 433 | 474 | 515 | 555 | 4 |
| 5 | 045 | 089 | 134 | 178 | 222 | 266 | 310 | 353 | 396 | 438 | 480 | 521 | 562 | 5 |
| 6 | 045 | 090 | 135 | 180 | 225 | 269 | 314 | 357 | 401 | 444 | 486 | 528 | 569 | 6 |
| 7 | 046 | 091 | 137 | 182 | 228 | 273 | 317 | 362 | 406 | 449 | 492 | 534 | 576 | 7 |
| 8 | 046 | 092 | 139 | 184 | 230 | 276 | 321 | 366 | 410 | 454 | 498 | 541 | 583 | 8 |
| + 7.9 | 047 | 094 | 140 | 187 | 233 | 279 | 325 | 370 | 415 | 460 | 504 | 547 | 590 | + 7.9 |
| + 8.0 | 0047 | 0095 | 0142 | 0189 | 0236 | 0282 | 0328 | 0374 | 0420 | 0465 | 0510 | 0554 | 0597 | + 8.0 |
| 1 | 048 | 096 | 143 | 191 | 238 | 285 | 332 | 379 | 425 | 470 | 516 | 560 | 604 | 1 |
| 2 | 048 | 097 | 145 | 193 | 241 | 289 | 336 | 383 | 430 | 476 | 521 | 566 | 611 | 2 |
| 3 | 049 | 098 | 147 | 195 | 244 | 292 | 340 | 387 | 434 | 481 | 527 | 573 | 618 | 3 |
| 4 | 049 | 099 | 148 | 197 | 246 | 295 | 343 | 392 | 439 | 486 | 533 | 579 | 625 | 4 |
| 5 | 050 | 100 | 150 | 200 | 249 | 298 | 347 | 396 | 444 | 492 | 539 | 586 | 632 | 5 |
| 6 | 050 | 101 | 151 | 202 | 252 | 301 | 351 | 400 | 449 | 497 | 545 | 592 | 639 | 6 |
| 7 | 051 | 102 | 153 | 204 | 254 | 305 | 355 | 404 | 454 | 502 | 551 | 598 | 646 | 7 |
| 8 | 052 | 103 | 155 | 206 | 257 | 308 | 358 | 408 | 458 | 508 | 556 | 605 | 652 | 8 |
| + 8.9 | 052 | 104 | 156 | 208 | 260 | 311 | 362 | 413 | 463 | 513 | 562 | 611 | 659 | + 8.9 |
| + 9.0 | 0053 | 0105 | 0158 | 0210 | 0262 | 0314 | 0366 | 0417 | 0468 | 0518 | 0568 | 0618 | 0666 | + 9.0 |
| 1 | 053 | 106 | 159 | 212 | 265 | 318 | 370 | 421 | 473 | 524 | 574 | 624 | 673 | 1 |
| 2 | 054 | 107 | 161 | 214 | 268 | 321 | 373 | 426 | 478 | 529 | 580 | 630 | 680 | 2 |
| 3 | 054 | 108 | 163 | 217 | 270 | 324 | 377 | 430 | 482 | 534 | 586 | 637 | 687 | 3 |
| 4 | 055 | 110 | 164 | 219 | 273 | 327 | 381 | 434 | 487 | 540 | 592 | 643 | 694 | 4 |
| 5 | 055 | 111 | 166 | 221 | 276 | 330 | 385 | 438 | 492 | 545 | 598 | 650 | 701 | 5 |
| 6 | 056 | 112 | 167 | 223 | 278 | 334 | 388 | 443 | 497 | 550 | 604 | 656 | 708 | 6 |
| 7 | 056 | 113 | 169 | 225 | 281 | 337 | 392 | 447 | 502 | 556 | 610 | 663 | 715 | 7 |
| 8 | 057 | 114 | 171 | 227 | 284 | 340 | 396 | 451 | 506 | 561 | 616 | 669 | 722 | 8 |
| + 9.9 | 057 | 115 | 172 | 230 | 286 | 343 | 400 | 456 | 511 | 566 | 621 | 675 | 729 | + 9.9 |

TABLE XII. *continued.*—For $D = -10^\circ$. η Positive.

$$X = \xi + \frac{1}{20}\xi + \frac{1}{140}\xi + \text{following table.}$$

| ξ | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | ξ |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| η | | | | | | | | | | | | | | η |
| +10.0 | 0058 | 0116 | 0174 | 0232 | 0289 | 0346 | 0403 | 0460 | 0516 | 0572 | 0627 | 0682 | 0736 | +10.0 |
| 1 | 059 | 117 | 176 | 234 | 292 | 350 | 407 | 464 | 521 | 577 | 633 | 688 | 743 | 1 |
| 2 | 059 | 118 | 177 | 236 | 294 | 353 | 411 | 468 | 526 | 582 | 639 | 695 | 750 | 2 |
| 3 | 060 | 119 | 179 | 238 | 297 | 356 | 414 | 473 | 531 | 588 | 645 | 701 | 757 | 3 |
| 4 | 060 | 120 | 180 | 240 | 300 | 359 | 418 | 477 | 535 | 593 | 651 | 708 | 764 | 4 |
| 5 | 061 | 121 | 182 | 242 | 302 | 362 | 422 | 481 | 540 | 598 | 657 | 714 | 771 | 5 |
| 6 | 061 | 122 | 184 | 244 | 305 | 366 | 426 | 486 | 545 | 604 | 662 | 720 | 778 | 6 |
| 7 | 062 | 123 | 185 | 247 | 308 | 369 | 430 | 490 | 550 | 609 | 668 | 727 | 785 | 7 |
| 8 | 062 | 124 | 187 | 249 | 310 | 372 | 433 | 494 | 555 | 614 | 674 | 733 | 792 | 8 |
| +10.9 | 063 | 126 | 188 | 251 | 313 | 375 | 437 | 498 | 560 | 620 | 680 | 740 | 798 | +10.9 |
| +11.0 | 0063 | 0127 | 0190 | 0253 | 0316 | 0378 | 0441 | 0503 | 0564 | 0625 | 0686 | 0746 | 0805 | +11.0 |
| 1 | 064 | 128 | 192 | 255 | 319 | 382 | 444 | 507 | 569 | 630 | 692 | 752 | 812 | 1 |
| 2 | 064 | 129 | 193 | 257 | 321 | 385 | 448 | 511 | 574 | 636 | 698 | 759 | 819 | 2 |
| 3 | 065 | 130 | 195 | 259 | 324 | 388 | 452 | 516 | 579 | 641 | 704 | 765 | 826 | 3 |
| 4 | 065 | 131 | 196 | 262 | 327 | 391 | 456 | 520 | 584 | 647 | 710 | 772 | 833 | 4 |
| 5 | 066 | 132 | 198 | 264 | 329 | 394 | 459 | 524 | 588 | 652 | 716 | 778 | 840 | 5 |
| 6 | 067 | 133 | 200 | 266 | 332 | 398 | 463 | 528 | 593 | 657 | 722 | 785 | 847 | 6 |
| 7 | 067 | 134 | 201 | 268 | 335 | 401 | 467 | 533 | 598 | 663 | 727 | 791 | 854 | 7 |
| 8 | 068 | 135 | 203 | 270 | 337 | 404 | 471 | 537 | 603 | 668 | 733 | 798 | 861 | 8 |
| +11.9 | 068 | 136 | 204 | 272 | 340 | 407 | 474 | 541 | 608 | 674 | 739 | 804 | 868 | +11.9 |
| +12.0 | 0069 | 0137 | 0206 | 0274 | 0343 | 0411 | 0478 | 0546 | 0612 | 0679 | 0745 | 0810 | 0875 | +12.0 |
| 1 | 069 | 138 | 208 | 277 | 345 | 414 | 482 | 550 | 617 | 684 | 751 | 817 | 882 | 1 |
| 2 | 070 | 140 | 209 | 279 | 348 | 417 | 486 | 554 | 622 | 690 | 757 | 823 | 889 | 2 |
| 3 | 070 | 141 | 211 | 281 | 351 | 420 | 490 | 558 | 627 | 695 | 763 | 830 | 896 | 3 |
| 4 | 071 | 142 | 212 | 283 | 353 | 424 | 493 | 563 | 632 | 700 | 769 | 836 | 903 | 4 |
| 5 | 071 | 143 | 214 | 285 | 356 | 427 | 497 | 567 | 637 | 706 | 774 | 842 | 910 | 5 |
| 6 | 072 | 144 | 216 | 287 | 359 | 430 | 501 | 571 | 641 | 711 | 780 | 849 | 917 | 6 |
| 7 | 072 | 145 | 217 | 290 | 361 | 433 | 504 | 576 | 646 | 716 | 786 | 855 | 924 | 7 |
| 8 | 073 | 146 | 219 | 292 | 364 | 436 | 508 | 580 | 651 | 722 | 792 | 862 | 931 | 8 |
| +12.9 | 074 | 147 | 220 | 294 | 367 | 440 | 512 | 584 | 656 | 727 | 798 | 868 | 938 | +12.9 |
| +13.0 | 0074 | 0148 | 0222 | 0296 | 0370 | 0443 | 0516 | 0588 | 0661 | 0733 | 0804 | 0875 | 0945 | +13.0 |



HYDERABAD ASTROGRAPHIC CATALOGUE

T A B L E S

FOR THE CONVERSION OF

MEASURED DIAMETERS OF THE STAR-IMAGES

IN

ZONE -19°

INTO

STELLAR PHOTOGRAPHIC MAGNITUDES BY
MEANS OF THE FORMULÆ

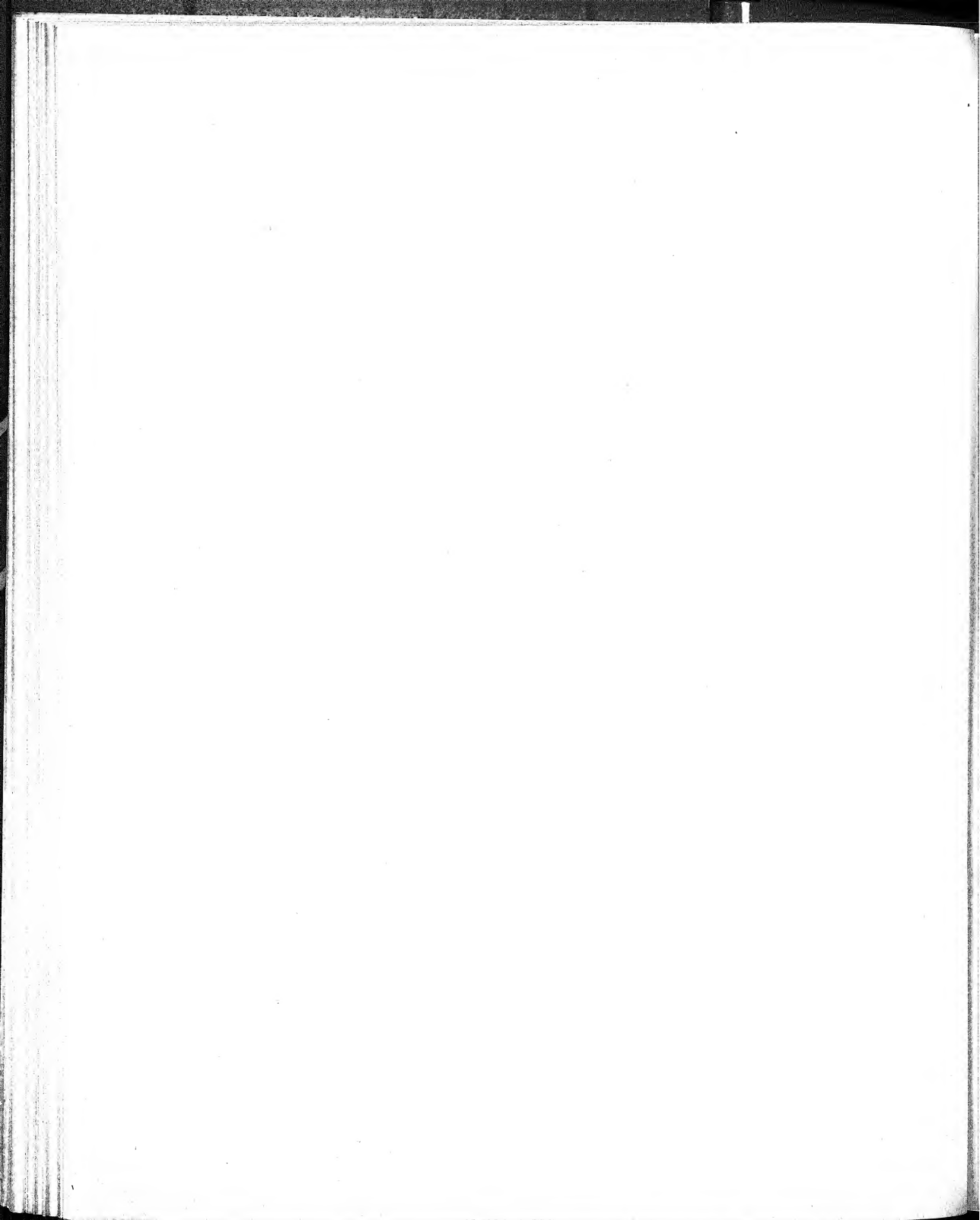
$$m = a - 1.09 \sqrt{d}$$

Table for converting Diameters (d) into Stellar Magnitudes (m) by the formula $m = a - 1.09 \sqrt{d}$. $a = 15.1$ to 16.4 .

| a d | 15.1 | 15.2 | 15.3 | 15.4 | 15.5 | 15.6 | 15.7 | 15.8 | 15.9 | 16.0 | 16.1 | 16.2 | 16.3 | 16.4 | a d |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------|
| 8 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 13.0 | 13.1 | 13.2 | 13.3 | 8 |
| 9 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 13.0 | 13.1 | 9 |
| 10 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 13.0 | 10 |
| 11 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 11 |
| 12 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12 |
| 13 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 13 |
| 14 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 14 |
| 15 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 15 |
| 16 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 16 |
| 17 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 17 |
| 18 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 18 |
| 19 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 19 |
| 20 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 20 |
| 21 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 21 |
| 22 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 22 |
| 23 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 23 |
| 24 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 24 |
| 25 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 25 |
| 26 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 26 |
| 27 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 27 |
| 28 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 28 |
| 29 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 29 |
| 30 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 30 |
| 31 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 31 |
| 32 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 32 |
| 33 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 33 |
| 34 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 34 |
| 35 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 35 |
| 36 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 36 |
| 37 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 37 |
| 38 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 38 |
| 39 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 39 |
| 40 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 40 |
| 41 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 41 |
| 42 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 42 |
| 43 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 43 |
| 44 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 44 |
| 45 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 45 |
| 46 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 46 |
| 47 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 47 |
| 48 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 48 |
| 49 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 49 |
| 50 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 50 |
| 55 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 55 |
| 60 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 60 |
| 65 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 65 |
| 70 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 70 |
| 75 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 75 |
| 80 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 80 |
| 85 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 85 |
| 90 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 90 |
| 95 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 95 |
| 100 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 100 |
| 110 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 110 |
| 120 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 120 |
| 130 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 130 |
| d a | 15.1 | 15.2 | 15.3 | 15.4 | 15.5 | 15.6 | 15.7 | 15.8 | 15.9 | 16.0 | 16.1 | 16.2 | 16.3 | 16.4 | d a |

Table for converting Diameters (d) into Stellar Magnitudes (m) by the formula $m=a-1.09\sqrt{d}$. $a=16.5$ to 17.8 .

| a d | 16.5 | 16.6 | 16.7 | 16.8 | 16.9 | 17.0 | 17.1 | 17.2 | 17.3 | 17.4 | 17.5 | 17.6 | 17.7 | 17.8 | a d |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------|
| 8 | 13.4 | 13.5 | 13.6 | 13.7 | 13.8 | 13.9 | 14.0 | 14.1 | 14.2 | 14.3 | 14.4 | 14.5 | 14.6 | 14.7 | 8 |
| 9 | 13.2 | 13.3 | 13.4 | 13.5 | 13.6 | 13.7 | 13.8 | 13.9 | 14.0 | 14.1 | 14.2 | 14.3 | 14.4 | 14.5 | 9 |
| 10 | 13.1 | 13.2 | 13.3 | 13.4 | 13.5 | 13.6 | 13.7 | 13.8 | 13.9 | 14.0 | 14.1 | 14.2 | 14.3 | 14.4 | 10 |
| 11 | 12.9 | 13.0 | 13.1 | 13.2 | 13.3 | 13.4 | 13.5 | 13.6 | 13.7 | 13.8 | 13.9 | 14.0 | 14.1 | 14.2 | 11 |
| 12 | 12.7 | 12.8 | 12.9 | 13.0 | 13.1 | 13.2 | 13.3 | 13.4 | 13.5 | 13.6 | 13.7 | 13.8 | 13.9 | 14.0 | 12 |
| 13 | 12.6 | 12.7 | 12.8 | 12.9 | 13.0 | 13.1 | 13.2 | 13.3 | 13.4 | 13.5 | 13.6 | 13.7 | 13.8 | 13.9 | 13 |
| 14 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 13.0 | 13.1 | 13.2 | 13.3 | 13.4 | 13.5 | 13.6 | 13.7 | 14 |
| 15 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 13.0 | 13.1 | 13.2 | 13.3 | 13.4 | 13.5 | 13.6 | 15 |
| 16 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 13.0 | 13.1 | 13.2 | 13.3 | 13.4 | 16 |
| 17 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 13.0 | 13.1 | 13.2 | 13.3 | 17 |
| 18 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 13.0 | 13.1 | 13.2 | 18 |
| 19 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 13.0 | 19 |
| 20 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 20 |
| 21 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 21 |
| 22 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 22 |
| 23 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 23 |
| 24 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 24 |
| 25 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 25 |
| 26 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 12.2 | 26 |
| 27 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 12.1 | 27 |
| 28 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0 | 28 |
| 29 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 29 |
| 30 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 30 |
| 31 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 31 |
| 32 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 32 |
| 33 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 33 |
| 34 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 34 |
| 35 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 35 |
| 36 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 11.3 | 36 |
| 37 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 11.2 | 37 |
| 38 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 | 38 |
| 39 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 39 |
| 40 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 40 |
| 41 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 41 |
| 42 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 42 |
| 43 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 43 |
| 44 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 44 |
| 45 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 45 |
| 46 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 46 |
| 47 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 47 |
| 48 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 48 |
| 49 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 49 |
| 50 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 10.1 | 50 |
| 55 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 55 |
| 60 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 60 |
| 65 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 65 |
| 70 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 70 |
| 75 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 75 |
| 80 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 80 |
| 85 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 85 |
| 90 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 90 |
| 95 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 95 |
| 100 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 100 |
| 110 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 110 |
| 120 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 120 |
| 130 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 130 |
| d a | 16.5 | 16.6 | 16.7 | 16.8 | 16.9 | 17.0 | 17.1 | 17.2 | 17.3 | 17.4 | 17.5 | 17.6 | 17.7 | 17.8 | d a |



HYDERABAD ASTROGRAPHIC CATALOGUE, 1900

ZONE -19°

MEASURES OF RECTANGULAR CO-ORDINATES AND
DIAMETERS OF STAR-IMAGES

ON PHOTOGRAPHS TAKEN AT THE NIZAMIAH OBSERVATORY,
HYDERABAD

EXPLANATION OF THE COLUMNS.

The heading of each plate gives the approximate R.A. of the centre, the number of the plate in the Hyderabad series, the date of exposure, the provisional constants by means of which the measures may be converted into standard co-ordinates (see Introduction, Sections VII., VIII.), and the formula connecting magnitude and diameter (see Introduction, Section V.).

The first column gives a reference number which is purely arbitrary ; in order to designate a star it is only necessary to state the zone and the number, thus, -19° , 7151 ; neither the plate number nor the R.A. of the plate centre need be stated. Since a gap is always left between the last number of any plate and the first number of the next following plate, there are many numbers which are not allotted to stars ; thus there is no star -19° , 7140.

An asterisk attached to the number in this column indicates that the star is amongst those stars selected from the Algiers Astronomische Gesellschaft Catalogue, the standard co-ordinates of which are given on pages 179-209 of this volume.

The second column gives the measured diameter, estimated in units of $0''.15$, these diameters may be converted into magnitudes by means of the formula printed at the head of each plate.

The third and fourth columns give the measured co-ordinates of the stars, denoted by x , y , the directions of the co-ordinate axes being approximately those of increasing R.A. and S. Declination, and the origin being the corner of the réseau : the plate centre is approximately at the point (13, 13).

The stars are arranged in the order of the value of the x co-ordinate for each zone of one unit of y (approximately $5'$). Each printed measure is the mean of at least two independent bisections of the star-image made in positions of the plate differing by 180° .

| R.A. 0 ^h 4 ^m | | | | R.A. 0 ^h 12 ^m | | | |
|------------------------------------|--------|--------|-------|-------------------------------------|--------|--------|-------|
| Plate 894; 1916 Dec. 15. | | | | Plate 888; 1916 Dec. 14. | | | |
| Provisional Constants. | | | | Provisional Constants. | | | |
| A | B | C | | A | B | C | |
| -02551 | +00650 | +2070 | | -02560 | +00009 | -1982 | |
| D | E | F | | D | E | F | |
| -00628 | -02554 | -1809 | | -00035 | -02556 | -2246 | |
| Mag. = 15-8 - 1.09√d | | | | Mag. = 17-8 - 1.09√d | | | |
| No. | d | x | y | No. | d | x | y |
| 1 | 11 | 1.598 | 0.744 | 251 | 30 | 1.590 | 0.972 |
| 2 | 11 | 4.515 | 0.764 | 252 | 31 | 1.905 | 0.995 |
| 3 | 8 | 7.042 | 0.051 | 253 | 9 | 3.723 | 0.292 |
| 4* | 82 | 7.862 | 0.100 | 254 | 19 | 6.461 | 0.802 |
| 5 | 20 | 11.300 | 0.824 | 255 | 14 | 10.856 | 0.316 |
| 6 | 23 | 19.592 | 0.834 | 256 | 20 | 21.636 | 0.554 |
| 7 | 8 | 20.818 | 0.684 | 257* | 107 | 4.074 | 1.958 |
| 8 | 20 | 23.856 | 0.868 | 258 | 11 | 9.260 | 1.494 |
| 9 | 18 | 24.234 | 0.804 | 259 | 29 | 9.596 | 1.122 |
| 10 | 18 | 0.194 | 1.104 | 260 | 28 | 11.774 | 1.185 |
| 11 | 10 | 1.544 | 1.726 | 261 | 13 | 10.228 | 1.482 |
| 12 | 13 | 11.662 | 1.006 | 262 | 20 | 26.688 | 1.264 |
| 13 | 8 | 19.266 | 1.850 | 263* | 46 | 21.126 | 1.130 |
| 14 | 14 | 2.670 | 2.107 | 264 | 21 | 24.880 | 1.380 |
| 15* | 30 | 6.058 | 2.039 | 265* | 68 | 15.092 | 2.183 |
| 16* | 61 | 11.370 | 2.204 | 266 | 11 | 15.646 | 2.108 |
| 17 | 15 | 16.203 | 2.451 | 267 | 14 | 18.300 | 2.070 |
| 18 | 9 | 18.118 | 2.100 | 268 | 10 | 23.190 | 2.436 |
| 19* | 40 | 20.399 | 2.021 | 269 | 58 | 6.500 | 3.490 |
| 20 | 10 | 6.876 | 3.961 | 270 | 12 | 8.259 | 3.829 |
| 21 | 8 | 9.418 | 3.184 | 271 | 17 | 11.120 | 3.250 |
| 22 | 24 | 17.200 | 3.809 | 272* | 63 | 13.388 | 3.338 |
| 23 | 13 | 17.462 | 3.417 | 273 | 21 | 13.625 | 3.514 |
| 24 | 13 | 17.758 | 3.121 | 274* | 90 | 19.552 | 3.510 |
| 25 | 12 | 21.669 | 3.034 | 275 | 11 | 19.778 | 3.979 |
| 26 | 13 | 27.07 | 4.612 | 276 | 15 | 19.914 | 3.628 |
| 27 | 13 | 6.882 | 4.333 | 277* | 98 | 21.142 | 3.756 |
| 28 | 10 | 14.447 | 4.178 | 278 | 58 | 1.374 | 4.428 |
| 29 | 20 | 19.604 | 4.940 | 279* | 35 | 5.329 | 4.500 |
| 30 | 10 | 22.900 | 4.860 | 280 | 50 | 12.966 | 4.500 |
| 31* | 32 | 23.630 | 4.324 | 281* | 13 | 17.512 | 4.710 |
| 32 | 8 | 0.615 | 5.094 | 282 | 9 | 1.700 | 5.856 |
| 33 | 8 | 7.189 | 5.841 | 283 | 10 | 15.810 | 5.190 |
| 34 | 10 | 7.594 | 5.892 | 284 | 20 | 22.204 | 5.029 |
| 35 | 21 | 8.144 | 5.727 | 285 | 19 | 0.577 | 6.110 |
| 36 | 9 | 18.588 | 5.628 | 286 | 11 | 1.658 | 6.740 |
| 37 | 13 | 21.666 | 5.150 | 287 | 13 | 3.180 | 6.120 |
| 38 | 14 | 7.093 | 6.215 | 288 | 28 | 3.786 | 6.224 |
| 39 | 14 | 7.226 | 6.300 | 289 | 13 | 5.068 | 6.840 |
| 40 | 8 | 13.431 | 6.210 | 290 | | | |
| 41 | 8 | 13.630 | 6.088 | | | | |
| 42* | 35 | 19.908 | 6.833 | | | | |
| 43* | 79 | 21.436 | 6.464 | | | | |
| 44 | 20 | 22.046 | 6.298 | | | | |
| 45 | 11 | 22.823 | 6.000 | | | | |
| 46 | 8 | 23.304 | 6.676 | | | | |
| 47 | 15 | 23.338 | 6.922 | | | | |
| 48 | 10 | 24.386 | 6.902 | | | | |
| 49 | 9 | 25.420 | 6.021 | | | | |
| 50 | 10 | 1.359 | 7.188 | | | | |
| 51 | 12 | 1.942 | 7.092 | | | | |
| 52 | 13 | 3.968 | 7.180 | | | | |
| 53 | 8 | 4.261 | 7.073 | | | | |
| 54* | 60 | 5.452 | 7.742 | | | | |
| 55 | 16 | 12.084 | 7.726 | | | | |

| | | | | | | | | | | | | | | | | | | | |
|------|-----|--------|--------|-----|----|--------|--------|------|----|--------|--------|------|----|--------|--------|-----|----|--------|--------|
| 363 | 9 | 8-942 | 15-756 | 435 | 11 | 6-100 | 24-596 | 487 | 8 | 20-826 | 4-674 | 559 | 11 | 18-634 | 15-132 | 631 | 22 | 9-250 | 24-081 |
| 364 | 11 | 9-078 | 15-720 | 436 | 30 | 8-710 | 24-110 | 488 | 13 | 21-479 | 4-159 | 560 | 16 | 11-798 | 16-244 | 632 | 23 | 11-160 | 24-634 |
| 365 | 11 | 10-170 | 15-619 | 437 | 43 | 14-994 | 24-864 | 489 | 24 | 24-922 | 4-572 | 561* | 60 | 14-391 | 16-827 | 633 | 11 | 11-454 | 24-315 |
| 366 | 13 | 10-782 | 15-189 | 438 | 10 | 15-965 | 24-928 | 490* | 47 | 4-963 | 5-180 | 562 | 24 | 14-408 | 16-834 | 634 | 13 | 12-942 | 24-155 |
| 367 | 9 | 11-958 | 15-300 | 439 | 15 | 16-020 | 24-852 | 491 | 10 | 8-730 | 5-662 | 563 | 34 | 3-120 | 17-774 | 635 | 25 | 13-110 | 24-021 |
| 368 | 28 | 15-506 | 15-662 | 440 | 13 | 21-684 | 24-680 | 492* | 75 | 9-860 | 5-105 | 564 | 34 | 4-814 | 17-658 | 636 | 13 | 15-092 | 24-062 |
| 369 | 10 | 17-534 | 15-605 | 441 | 9 | 2-326 | 25-749 | 493 | 16 | 13-705 | 5-690 | 565 | 8 | 6-452 | 17-688 | 637 | 33 | 18-199 | 24-322 |
| 370 | 27 | 4-040 | 16-480 | 442 | 24 | 2-790 | 25-575 | 494 | 37 | 14-566 | 5-112 | 566* | 72 | 8-388 | 17-750 | 638 | 36 | 18-503 | 24-776 |
| 371 | 23 | 6-197 | 16-745 | 443 | 19 | 5-559 | 25-846 | 495 | 28 | 18-018 | 5-459 | 567 | 30 | 11-068 | 17-586 | 639 | 38 | 18-798 | 24-749 |
| 372 | 12 | 10-036 | 16-661 | 444 | 11 | 7-080 | 25-296 | 496 | 22 | 18-982 | 5-124 | 568 | 25 | 14-349 | 17-490 | 640 | 32 | 19-100 | 24-794 |
| 373 | 8 | 12-726 | 16-784 | 445 | 12 | 12-568 | 25-600 | 497* | 45 | 19-330 | 5-470 | 569 | 33 | 14-432 | 17-468 | 641 | 34 | 19-234 | 24-306 |
| 374 | 8 | 14-245 | 16-055 | 446 | 26 | 18-456 | 25-388 | 498 | 9 | 22-516 | 5-752 | 570* | 36 | 17-080 | 17-672 | 642 | 19 | 19-610 | 24-346 |
| 375 | 49 | 15-590 | 16-084 | | | | | 499 | 14 | 23-428 | 5-152 | 571 | 23 | 19-420 | 17-926 | 643 | 38 | 20-574 | 24-590 |
| 376 | 10 | 7-633 | 17-175 | | | | | 500* | 48 | 24-402 | 5-196 | 572 | 31 | 21-900 | 17-620 | 644 | 8 | 21-452 | 24-366 |
| 377 | 10 | 12-572 | 17-061 | | | | | 501 | 10 | 5-655 | 6-100 | 573 | 31 | 0-562 | 18-202 | 645 | 15 | 23-648 | 24-102 |
| 378 | 8 | 12-886 | 17-486 | | | | | 502 | 13 | 7-346 | 6-174 | 574 | 21 | 0-674 | 18-722 | 646 | 10 | 9-858 | 25-164 |
| 379 | 13 | 24-354 | 17-918 | | | | | 503 | 26 | 13-764 | 6-975 | 575 | 15 | 2-332 | 18-032 | 647 | 20 | 9-895 | 25-065 |
| 380 | 8 | 24-814 | 17-997 | | | | | 504 | 8 | 18-687 | 6-758 | 576 | 12 | 2-798 | 18-100 | 648 | 14 | 18-797 | 25-808 |
| 381 | 37 | 25-146 | 17-074 | | | | | 505 | 42 | 19-606 | 6-085 | 577 | 10 | 3-106 | 18-280 | 649 | 34 | 24-528 | 25-173 |
| 382 | 21 | 1-498 | 18-000 | | | | | 506 | 12 | 21-122 | 6-495 | 578 | 38 | 3-915 | 18-754 | | | | |
| 383 | 11 | 2-700 | 18-547 | | | | | 507 | 11 | 24-127 | 6-488 | 579 | 8 | 17-665 | 18-494 | | | | |
| 384 | 11 | 4-033 | 18-262 | | | | | 508 | 9 | 7-098 | 7-705 | 580 | 14 | 24-634 | 18-037 | | | | |
| 385* | 114 | 6-140 | 18-167 | | | | | 509 | 10 | 12-435 | 7-550 | 581 | 9 | 24-869 | 18-400 | | | | |
| 386* | 49 | 9-541 | 18-308 | | | | | 510 | 38 | 16-888 | 7-342 | 582 | 25 | 25-500 | 18-350 | | | | |
| 387 | 14 | 14-715 | 18-459 | | | | | 511 | 9 | 18-200 | 7-891 | 583 | 12 | 8-336 | 19-764 | | | | |
| 388 | 9 | 14-760 | 18-433 | | | | | 512 | 24 | 18-364 | 7-528 | 584 | 36 | 12-266 | 19-085 | | | | |
| 389 | 10 | 15-740 | 18-816 | | | | | 513 | 8 | 18-654 | 7-762 | 585 | 8 | 13-600 | 19-966 | | | | |
| 390 | 27 | 22-582 | 18-061 | | | | | 514 | 17 | 25-706 | 7-256 | 586 | 32 | 14-662 | 19-420 | | | | |
| 391 | 18 | 22-686 | 18-583 | | | | | 515 | 38 | 8-864 | 8-974 | 587 | 40 | 18-988 | 19-870 | | | | |
| 392 | 10 | 25-124 | 18-186 | | | | | 516 | 15 | 16-885 | 8-592 | 588 | 17 | 19-706 | 19-687 | | | | |
| 393 | 37 | 25-925 | 18-668 | | | | | 517 | 12 | 22-463 | 8-996 | 589 | 10 | 1-294 | 20-980 | | | | |
| 394 | 14 | 2-580 | 19-168 | | | | | 518 | 24 | 22-836 | 8-869 | 590 | 10 | 1-817 | 20-652 | | | | |
| 395 | 14 | 6-219 | 19-861 | | | | | 519 | 22 | 3-752 | 9-976 | 591 | 26 | 7-718 | 20-821 | | | | |
| 396 | 23 | 8-606 | 19-416 | | | | | 520 | 25 | 4-106 | 9-076 | 592 | 10 | 8-484 | 20-481 | | | | |
| 397* | 106 | 14-167 | 19-550 | | | | | 521 | 12 | 15-656 | 9-960 | 593 | 41 | 10-286 | 20-010 | | | | |
| 398 | 9 | 17-186 | 19-776 | | | | | 522 | 8 | 19-310 | 9-309 | 594 | 15 | 10-790 | 20-630 | | | | |
| 399 | 11 | 19-406 | 19-970 | | | | | 523 | 29 | 22-310 | 9-312 | 595 | 8 | 15-284 | 20-170 | | | | |
| 400 | 24 | 20-910 | 19-271 | | | | | 524 | 38 | 9-507 | 10-748 | 596 | 13 | 15-880 | 20-054 | | | | |
| 401* | 65 | 5-628 | 20-130 | | | | | 525 | 26 | 24-074 | 10-575 | 597 | 36 | 17-248 | 20-124 | | | | |
| 402 | 13 | 10-283 | 20-144 | | | | | 526 | 11 | 25-990 | 10-901 | 598 | 9 | 18-140 | 20-285 | | | | |
| 403 | 10 | 12-280 | 20-581 | | | | | 527 | 25 | 0-132 | 11-836 | 599 | 8 | 18-885 | 20-812 | | | | |
| 404 | 8 | 12-509 | 20-458 | | | | | 528 | 9 | 1-677 | 11-523 | 600 | 8 | 9-555 | 21-415 | | | | |
| 405 | 9 | 19-275 | 20-134 | | | | | 529 | 28 | 1-970 | 11-172 | 601 | 22 | 9-965 | 21-409 | | | | |
| 406 | 11 | 23-264 | 20-846 | | | | | 530 | 24 | 2-270 | 11-225 | 602 | 17 | 10-824 | 21-182 | | | | |
| 407 | 10 | 23-796 | 20-536 | | | | | 531 | 19 | 3-456 | 11-371 | 603 | 9 | 11-950 | 21-086 | | | | |
| 408* | 56 | 0-652 | 21-302 | | | | | 532 | 37 | 3-898 | 11-735 | 604 | 14 | 13-127 | 21-900 | | | | |
| 409 | 11 | 6-254 | 21-166 | | | | | 533* | 47 | 12-573 | 11-738 | 605 | 10 | 18-022 | 21-605 | | | | |
| 410 | 12 | 6-742 | 21-331 | | | | | 534 | 11 | 13-006 | 11-712 | 606 | 14 | 20-294 | 21-144 | | | | |
| 411 | 18 | 6-760 | 21-330 | | | | | 535 | 22 | 14-161 | 11-292 | 607 | 22 | 20-796 | 21-718 | | | | |
| 412 | 15 | 8-428 | 21-034 | | | | | 536 | 24 | 23-046 | 11-895 | 608 | 22 | 20-829 | 21-709 | | | | |
| 413 | 23 | 16-770 | 21-523 | | | | | 537 | 27 | 0-940 | 12-412 | 609 | 22 | 24-042 | 21-751 | | | | |
| 414 | 23 | 22-852 | 21-892 | | | | | 538 | 27 | 4-722 | 12-758 | 610 | 29 | 0-900 | 22-027 | | | | |
| 415 | 24 | 1-580 | 22-768 | | | | | 539 | 21 | 9-990 | 12-352 | 611 | 37 | 2-315 | 22-584 | | | | |
| 416 | 27 | 9-941 | 22-626 | | | | | 540 | 10 | 10-815 | 12-086 | 612 | 16 | 3-918 | 22-624 | | | | |
| 417 | 39 | 13-538 | 22-908 | | | | | 541* | 68 | 12-269 | 12-800 | 613 | 26 | 4-130 | 22-534 | | | | |
| 418 | 23 | 13-711 | 22-450 | | | | | 542 | 14 | 14-605 | 12-264 | 614 | 31 | 8-253 | 22-672 | | | | |
| 419 | 29 | 13-904 | 22-980 | | | | | 543 | 27 | 23-372 | 12-746 | 615 | 26 | 9-014 | 22-155 | | | | |
| 420 | 14 | 14-155 | 22-824 | | | | | 544 | 21 | 23-842 | 12-552 | 616* | 41 | 20-388 | 22-676 | | | | |
| 421 | 13 | 14-410 | 22-629 | | | | | 545 | 28 | 25-066 | 12-930 | 617 | 8 | 23-944 | 22-888 | | | | |
| 422 | 19 | 19-533 | 22-296 | | | | | 546 | 9 | 4-525 | 12-458 | 618 | 18 | 23-944 | 22-063 | | | | |
| 423 | 10 | 21-044 | 22-660 | | | | | 547 | 28 | 7-044 | 12-040 | 619 | 8 | 23-986 | 22-845 | | | | |
| 424 | 31 | 24-260 | 22-472 | | | | | 548 | 11 | 14-684 | 12-622 | 620 | 8 | 24-484 | 22-060 | | | | |
| 425 | 12 | 25-860 | 22-542 | | | | | 549 | 8 | 16-880 | 12-193 | 621 | 11 | 1-018 | 23-892 | | | | |
| 426* | 72 | 10-940 | 23-591 | | | | | 550 | 27 | 23-555 | 13-203 | 622 | 11 | 1-316 | 23-892 | | | | |
| 427 | 10 | 11-558 | 23-620 | | | | | 551 | 31 | 0-633 | 14-808 | 623 | 11 | 5-895 | 23-680 | | | | |
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| 429* | 59 | 17-510 | 23-166 | | | | | 553 | 19 | 14-828 | 14-131 | 625 | 8 | 16-888 | 23-116 | | | | |
| 430 | 21 | 21-758 | 23-117 | | | | | 554 | 25 | 15-081 | 14-527 | 626 | 8 | 17-204 | 23-555 | | | | |
| 431 | 12 | 22-941 | 23-756 | | | | | 555 | 8 | 19-716 | 14-250 | 627 | 8 | 17-236 | 23-592 | | | | |
| 432 | 9 | 23-239 | 23-611 | | | | | 556 | 9 | 23-166 | 14-820 | 628 | 8 | 19-910 | 23-726 | | | | |
| 433 | 10 | 4-035 | 24-194 | | | | | 557* | 76 | 16-535 | 15-383 | 629 | 36 | 25-658 | 23-230 | | | | |
| 434 | 9 | 5-270 | 24-382 | | | | | 558 | 8 | 17-710 | 15-364 | 630 | 25 | 8-536 | 24-650 | | | | |

24-081
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24-315
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| 681* | 42 | 2-269 | 5-254 | 753 | 24 | 23-744 | 14-030 |
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| 686 | 28 | 19-824 | 5-709 | 758 | 32 | 5-088 | 16-370 |
| 687 | 16 | 2-006 | 6-544 | 759 | 13 | 8-774 | 16-030 |
| 688 | 23 | 4-018 | 6-319 | 760 | 17 | 16-700 | 16-351 |
| 689 | 12 | 5-596 | 6-575 | 761 | 16 | 19-726 | 16-512 |
| 690 | 16 | 7-163 | 6-294 | 762 | 12 | 19-764 | 16-752 |
| 691 | 12 | 7-996 | 6-954 | 763 | 8 | 20-617 | 16-425 |
| 692 | 14 | 9-104 | 6-618 | 764 | 17 | 21-046 | 16-246 |
| 693 | 15 | 12-208 | 6-638 | 765* | 51 | 21-222 | 16-114 |
| 694 | 10 | 14-539 | 6-505 | 766 | 12 | 22-102 | 16-055 |
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| 696 | 15 | 3-598 | 7-296 | 768 | 16 | 24-521 | 16-674 |
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| 698 | 23 | 6-068 | 7-800 | 770 | 20 | 10-528 | 17-426 |
| 699* | 36 | 13-526 | 7-408 | 771 | 16 | 14-273 | 17-557 |
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| 702 | 20 | 24-968 | 7-964 | 774* | 36 | 23-032 | 17-064 |
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| 705 | 12 | 5-390 | 8-421 | 777 | 16 | 2-635 | 18-092 |
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| 749 | 19 | 10-939 | 14-380 | | | | |
| 750 | 10 | 11-126 | 14-856 | | | | |
| 751 | 16 | 12-199 | 14-544 | | | | |

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Provisional Constants.

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| 897 | 13 | 18-360 | 9-153 |
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| 904 | 8 | 16-771 | 11-528 |
| 905 | 10 | 4-952 | 12-004 |

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| 975 | 24 | 3-751 | 22-223 |
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| 1089 | 19 | 12-466 | 6-564 | 1161 | 8 | 24-420 | 17-382 | | | | | 1310 | 13 | 9-016 | 10-829 | 1382* | 86 | 22-798 | 23-300 |
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| 1124 | 12 | 12-762 | 12-800 | 1196 | 8 | 13-402 | 22-186 | | | | | 1345 | 20 | 8-546 | 18-425 | | | | |
| 1125 | 10 | 16-543 | 12-687 | 1197 | 8 | 14-408 | 22-960 | | | | | 1346 | 18 | 9-354 | 18-942 | | | | |
| 1126 | 8 | 17-797 | 12-607 | 1198 | 15 | 23-988 | 22-682 | | | | | 1347 | 14 | 12-786 | 18-359 | | | | |
| 1127 | 8 | 21-104 | 12-444 | 1199 | 8 | 25-583 | 22-622 | | | | | 1348* | 98 | 14-960 | 18-780 | | | | |
| 1128 | 19 | 0-553 | 13-798 | 1200 | 15 | 25-796 | 22-531 | | | | | 1349 | 9 | 15-886 | 18-192 | | | | |
| 1129 | 9 | 3-820 | 13-736 | 1201 | 14 | 0-169 | 23-782 | | | | | 1350 | 24 | 16-540 | 18-122 | | | | |
| 1130 | 24 | 7-277 | 13-303 | 1202 | 9 | 4-184 | 23-174 | | | | | 1351 | 21 | 23-874 | 18-219 | | | | |
| 1131 | 24 | 8-131 | 13-912 | 1203* | 34 | 6-869 | 23-068 | | | | | 1352 | 24 | 23-928 | 18-158 | | | | |
| 1132* | 40 | 12-266 | 13-519 | 1204 | 21 | 10-565 | 23-816 | | | | | 1353* | 44 | 1-142 | 19-052 | | | | |
| 1133 | 8 | 16-874 | 13-912 | 1205 | 13 | 11-701 | 23-662 | | | | | 1354 | 11 | 8-620 | 19-932 | | | | |
| 1134* | 35 | 17-734 | 13-018 | 1206 | 18 | 12-598 | 23-596 | | | | | 1355 | 14 | 16-340 | 19-355 | | | | |
| 1135 | 10 | 18-160 | 13-335 | 1207 | 24 | 15-735 | 23-544 | | | | | 1356 | 10 | 24-275 | 19-090 | | | | |
| 1136* | 35 | 20-084 | 13-032 | 1208 | 8 | 15-784 | 23-898 | | | | | 1357 | 11 | 8-900 | 20-536 | | | | |
| 1137* | 41 | 23-574 | 13-782 | 1209* | 47 | 21-679 | 23-702 | | | | | 1358 | 13 | 20-380 | 20-166 | | | | |
| 1138 | 22 | 5-958 | 14-787 | 1210 | 12 | 24-364 | 23-527 | | | | | 1359 | 25 | 3-447 | 21-598 | | | | |
| 1139 | 12 | 9-610 | 14-319 | 1211 | 12 | 2-022 | 24-408 | | | | | 1360 | 10 | 5-784 | 21-233 | | | | |
| 1140 | 15 | 10-570 | 14-256 | 1212 | 10 | 10-710 | 24-938 | | | | | 1361 | 11 | 8-638 | 21-116 | | | | |
| 1141 | 9 | 11-576 | 14-804 | 1213 | 9 | 15-157 | 24-332 | | | | | 1362 | 8 | 11-657 | 21-481 | | | | |
| 1142* | 33 | 11-742 | 14-931 | 1214 | 19 | 23-032 | 24-198 | | | | | 1363 | 32 | 15-005 | 21-386 | | | | |
| 1143 | 10 | 15-927 | 14-052 | 1215 | 10 | 3-804 | 25-345 | | | | | 1364 | 9 | 18-837 | 21-178 | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
| 1421 | 8 | 7-668 | 3-331 | 1493 | 15 | 21-903 | 13-186 | 1565 | 22 | 16-724 | 24-786 | 1639 | 13 | 2-209 | 7-267 | 1711 | 11 | 10-140 | 18-550 |
| 1422 | 10 | 10-455 | 3-991 | 1494 | 9 | 22-178 | 13-566 | 1566 | 10 | 1-764 | 25-166 | 1640 | 15 | 6-334 | 7-754 | 1712 | 30 | 14-400 | 18-971 |
| 1423 | 33 | 15-905 | 3-570 | 1495 | 13 | 2-756 | 14-434 | 1567 | 22 | 4-850 | 25-870 | 1641 | 16 | 7-646 | 7-867 | 1713 | 10 | 14-430 | 18-402 |
| 1424 | 9 | 3-854 | 4-134 | 1496 | 10 | 10-292 | 14-525 | 1568 | 8 | 12-364 | 25-190 | 1642 | 25 | 22-680 | 7-358 | 1714 | 22 | 15-738 | 18-135 |
| 1425 | 11 | 6-250 | 4-926 | 1497 | 8 | 12-188 | 14-406 | 1569 | 17 | 12-582 | 25-826 | 1643 | 26 | 22-882 | 7-372 | 1715 | 16 | 16-006 | 18-506 |
| 1426 | 11 | 10-374 | 4-869 | 1498 | 18 | 12-688 | 14-652 | 1570 | 15 | 13-649 | 25-651 | 1644 | 14 | 25-392 | 7-295 | 1716 | 34 | 20-561 | 18-600 |
| 1427 | 30 | 12-750 | 4-642 | 1499 | 9 | 17-094 | 14-610 | 1571 | 36 | 14-942 | 25-326 | 1645 | 34 | 2-895 | 8-168 | 1717 | 17 | 24-068 | 18-050 |
| 1428 | 8 | 12-788 | 4-807 | 1500 | 23 | 23-632 | 14-080 | 1572* | 45 | 16-050 | 25-528 | 1646 | 16 | 7-114 | 8-712 | 1718* | 44 | 25-314 | 18-854 |
| 1429 | 33 | 13-022 | 4-908 | 1501 | 23 | 2-734 | 15-354 | 1573 | 15 | 19-102 | 25-536 | 1647 | 11 | 11-969 | 8-948 | 1719 | 24 | 5-132 | 19-614 |
| 1430 | 13 | 16-628 | 4-830 | 1502 | 15 | 8-247 | 15-800 | 1574 | 10 | 19-214 | 25-593 | 1648* | 50 | 18-846 | 8-954 | 1720 | 21 | 14-792 | 19-290 |
| 1431 | 22 | 17-320 | 4-506 | 1503 | 11 | 9-075 | 15-694 | | | | | 1649 | 18 | 19-036 | 8-451 | 1721 | 44 | 25-256 | 19-374 |
| 1432 | 10 | 18-201 | 4-546 | 1504* | 31 | 10-724 | 15-497 | | | | | 1650* | 54 | 23-605 | 8-624 | 1722* | 56 | 0-690 | 20-677 |
| 1433 | 26 | 22-374 | 4-038 | 1505 | 8 | 12-554 | 15-338 | | | | | 1651 | 20 | 13-276 | 9-342 | 1723 | 9 | 2-433 | 20-034 |
| 1434 | 25 | 4-070 | 5-497 | 1506 | 25 | 14-450 | 15-369 | | | | | 1652 | 14 | 15-162 | 9-816 | 1724 | 15 | 2-705 | 20-123 |
| 1435 | 12 | 8-558 | 5-766 | 1507 | 16 | 15-112 | 15-652 | | | | | 1653 | 16 | 15-399 | 9-641 | 1725 | 14 | 7-793 | 20-816 |
| 1436 | 18 | 20-525 | 5-393 | 1508 | 23 | 1-175 | 16-073 | | | | | 1654 | 15 | 20-051 | 9-506 | 1726 | 14 | 10-574 | 20-707 |
| 1437 | 12 | 1-485 | 6-836 | 1509* | 42 | 2-406 | 16-821 | | | | | 1655 | 34 | 2-786 | 10-552 | 1727* | 36 | 14-645 | 20-500 |
| 1438 | 22 | 7-728 | 6-422 | 1510 | 22 | 5-124 | 16-320 | | | | | 1656 | 15 | 15-144 | 10-648 | 1728 | 38 | 19-386 | 20-863 |
| 1439 | 8 | 9-615 | 6-967 | 1511 | 22 | 14-798 | 16-092 | | | | | 1657 | 21 | 17-240 | 10-346 | 1729 | 12 | 21-530 | 20-760 |
| 1440 | 35 | 11-314 | 6-754 | 1512 | 19 | 15-420 | 16-176 | | | | | 1658 | 12 | 1-097 | 11-914 | 1730 | 36 | 24-898 | 20-250 |
| 1441* | 34 | 12-150 | 6-365 | 1513* | 44 | 16-415 | 16-759 | | | | | 1659 | 16 | 3-167 | 11-500 | 1731 | 16 | 4-322 | 21-840 |
| 1442 | 10 | 17-500 | 6-786 | 1514 | 13 | 8-086 | 17-608 | | | | | 1660 | 10 | 5-590 | 11-925 | 1732 | 12 | 11-954 | 21-788 |
| 1443 | 11 | 3-150 | 7-872 | 1515 | 16 | 22-650 | 17-908 | | | | | 1661 | 21 | 7-632 | 11-307 | 1733 | 11 | 18-052 | 21-726 |
| 1444 | 12 | 4-924 | 7-992 | 1516 | 19 | 1-684 | 18-169 | | | | | 1662 | 16 | 15-475 | 11-124 | 1734 | 29 | 21-094 | 21-559 |
| 1445 | 8 | 24-386 | 7-236 | 1517 | 23 | 1-737 | 18-108 | | | | | 1663 | 12 | 20-679 | 11-490 | 1735 | 10 | 21-282 | 21-156 |
| 1446* | 60 | 1-016 | 8-399 | 1518 | 20 | 4-193 | 18-270 | | | | | 1664* | 46 | 20-782 | 11-706 | 1736 | 21 | 23-504 | 21-524 |
| 1447 | 12 | 2-528 | 8-958 | 1519 | 9 | 6-142 | 18-180 | | | | | 1665* | 34 | 9-666 | 12-590 | 1737 | 10 | 4-512 | 22-940 |
| 1448 | 12 | 9-266 | 8-402 | 1520 | 28 | 9-474 | 18-080 | | | | | 1666 | 14 | 17-349 | 12-734 | 1738 | 16 | 5-845 | 22-360 |
| 1449 | 8 | 15-585 | 8-364 | 1521 | 24 | 13-578 | 18-583 | | | | | 1667 | 18 | 17-462 | 12-514 | 1739 | 13 | 12-234 | 22-920 |
| 1450 | 30 | 25-058 | 8-150 | 1522 | 12 | 15-414 | 18-070 | | | | | 1668 | 16 | 18-644 | 12-722 | 1740 | 19 | 13-096 | 22-336 |
| 1451 | 8 | 1-169 | 9-230 | 1523 | 17 | 18-360 | 18-216 | | | | | 1669 | 19 | 20-892 | 12-289 | 1741 | 23 | 16-262 | 22-556 |
| 1452 | 21 | 4-020 | 9-316 | 1524 | 25 | 21-518 | 18-394 | | | | | 1670 | 16 | 5-327 | 13-995 | 1742 | 15 | 18-658 | 22-577 |
| 1453 | 8 | 5-245 | 9-634 | 1525* | 40 | 22-413 | 18-098 | | | | | 1671 | 14 | 8-196 | 13-570 | 1743 | 13 | 21-625 | 22-605 |
| 1454 | 8 | 6-434 | 9-472 | 1526 | 10 | 1-762 | 19-316 | | | | | 1672 | 19 | 16-372 | 13-582 | 1744* | 39 | 2-285 | 23-077 |
| 1455 | 10 | 7-266 | 9-454 | 1527 | 10 | 2-086 | 19-038 | | | | | 1673 | 13 | 18-866 | 13-639 | 1745* | 38 | 3-788 | 23-272 |
| 1456 | 10 | 10-416 | 9-364 | 1528 | 26 | 4-910 | 19-998 | | | | | 1674 | 28 | 1-574 | 14-124 | 1746 | 15 | 11-495 | 23-512 |
| 1457 | 17 | 14-250 | 9-438 | 1529 | 28 | 5-808 | 19-222 | | | | | 1675 | 30 | 5-664 | 14-266 | 1747 | 31 | 12-530 | 23-306 |
| 1458 | 32 | 15-607 | 9-188 | 1530 | 27 | 7-580 | 19-700 | | | | | 1676 | 18 | 6-102 | 14-310 | 1748 | 20 | 14-340 | 23-782 |
| 1459 | 21 | 17-122 | 9-034 | 1531 | 9 | 10-544 | 19-670 | | | | | 1677 | 36 | 6-508 | 14-932 | 1749 | 28 | 16-336 | 23-154 |
| 1460 | 16 | 19-281 | 9-630 | 1532 | 8 | 16-640 | 19-644 | | | | | 1678 | 14 | 9-216 | 14-591 | 1750 | 17 | 16-597 | 23-494 |
| 1461 | 8 | 3-932 | 10-316 | 1533 | 21 | 19-992 | 19-808 | | | | | 1679 | 15 | 19-631 | 14-800 | 1751 | 16 | 17-480 | 23-808 |
| 1462 | 25 | 6-085 | 10-885 | 1534 | 17 | 21-264 | 19-560 | | | | | 1680 | 15 | 20-724 | 14-384 | 1752 | 13 | 22-976 | 23-899 |
| 1463 | 10 | 6-870 | 10-696 | 1535* | 41 | 19-972 | 20-328 | | | | | 1681 | 16 | 21-995 | 14-424 | 1753 | 20 | 25-726 | 24-344 |
| 1464* | 41 | 12-365 | 10-712 | 1536* | 45 | 22-636 | 20-616 | | | | | 1682 | 34 | 22-264 | 14-642 | 1754 | 13 | 9-246 | 24-480 |
| 1465 | 29 | 18-515 | 10-626 | 1537 | 10 | 24-654 | 20-099 | | | | | 1683 | 9 | 22-862 | 14-277 | 1755 | 13 | 9-534 | 24-602 |
| 1466* | 35 | 20-320 | 10-292 | 1538 | 11 | 0-282 | 21-800 | | | | | 1684 | 12 | 25-906 | 14-489 | 1756 | 10 | 13-808 | 24-816 |
| 1467 | 21 | 21-625 | 10-634 | 1539 | 31 | 2-832 | 21-172 | | | | | 1685 | 12 | 25-956 | 14-194 | 1757 | 22 | 14-035 | 24-055 |
| 1468 | 32 | 24-909 | 10-529 | 1540 | 28 | 4-916 | 21-674 | | | | | 1686 | 16 | 8-786 | 15-485 | 1758 | 22 | 20-773 | 24-008 |
| 1469 | 12 | 6-506 | 11-534 | 1541 | 9 | 12-031 | 21-914 | | | | | 1687 | 15 | 22-018 | 15-374 | 1759 | 17 | 25-531 | 24-105 |
| 1470 | 11 | 7-575 | 11-800 | 1542 | 16 | 13-350 | 21-521 | | | | | 1688 | 12 | 0-154 | 16-686 | 1760 | 36 | 25-639 | 24-184 |
| 1471 | 29 | 10-815 | 11-378 | 1543 | 12 | 13-694 | 21-852 | | | | | 1689 | 10 | 1-887 | 16-306 | 1761 | 8 | 6-385 | 25-846 |
| 1472 | 8 | 13-460 | 11-955 | 1544 | 22 | 16-926 | 21-735 | | | | | 1690 | 15 | 4-174 | 16-149 | 1762 | 17 | 8-058 | 25-465 |
| 1473 | 21 | 13-766 | 11-342 | 1545 | 8 | 0-534 | 22-424 | | | | | 1691* | 54 | 7-814 | 16-357 | 1763 | 39 | 9-025 | 25-451 |
| 1474 | 32 | 14-380 | 11-897 | 1546 | 15 | 1-994 | 22-916 | | | | | 1692 | 10 | 8-465 | 16-902 | 1764 | 32 | 10-244 | 25-068 |
| 1475 | 8 | 19-664 | 11-214 | 1547 | 16 | 2-581 | 22-517 | | | | | 1693 | 26 | 11-084 | 16-257 | 1765 | 16 | 13-431 | 25-556 |
| 1476 | 8 | 23-190 | 11-860 | 1548 | 24 | 4-822 | 22-530 | | | | | 1694 | 16 | 17-468 | 16-333 | 1766 | 11 | 14-250 | 25-434 |
| 1477 | 12 | 25-268 | 11-482 | 1549 | 11 | 7-122 | 22-142 | | | | | 1695 | 16 | 22-258 | 16-694 | 1767 | 22 | 17-452 | 25-478 |
| 1478 | 9 | 5-346 | 12-314 | 1550 | 15 | 9-331 | 22-004 | | | | | 1696* | 46 | 25-175 | 16-908 | | | | |
| 1479 | 9 | 5-962 | 12-562 | 1551 | 13 | 10-470 | 22-800 | | | | | 1697 | 40 | 25-994 | 16-874 | | | | |
| 1480 | 25 | 6-896 | 12-834 | 1552 | 8 | 18-466 | 22-747 | | | | | 1698 | 17 | 0-662 | 17-970 | | | | |
| 1481 | 29 | 7-421 | 12-260 | 1553* | 48 | 20-650 | 22-278 | | | | | 1699 | 14 | 6-834 | 17-134 | | | | |
| 1482 | 22 | 8-425 | 12-603 | 1554* | 52 | 0-622 | 23-256 | | | | | 1700* | 36 | 9-405 | 17-556 | | | | |
| 1483 | 8 | 12-005 | 12-374 | 1555* | 48 | 4-268 | 23-553 | | | | | 1701 | 16 | 20-621 | 17-121 | | | | |
| 1484 | 25 | 21-955 | 12-500 | 1556 | 14 | 7-866 | 23-309 | | | | | 1702 | 24 | 21-006 | 17-534 | | | | |
| 1485 | 22 | 0-314 | 13-072 | 1557 | 22 | 16-586 | 23-332 | | | | | 1703 | 25 | 23-912 | 17-743 | | | | |
| 1486 | 8 | 1-736 | 13-496 | 1558* | 40 | 24-186 | 23-048 | | | | | 1704 | 12 | 24-622 | 17-625 | | | | |
| 1487 | 34 | 4-308 | 13-585 | 1559* | 40 | 25-682 | 23-262 | | | | | 1705 | 15 | 24-644 | 17-645 | | | | |
| 1488* | 43 | 10-450 | 13-582 | 1560 | 10 | 1-480 | 24-784 | | | | | 1706 | 40 | 0-424 | 18-164 | | | | |
| 1489 | 34 | 15-387 | 13-972 | 1561 | 9 | 3-693 | 24-844 | | | | | 1707 | 16 | 4-836 | 18-367 | | | | |
| 1490 | 10 | 16-884 | 13-500 | 1562 | 8 | 7-400 | 24-654 | | | | | 1708 | 16 | 7-474 | 18-522 | | | | |
| 1491 | 12 | 19-902 | 13-910 | 1563 | 10 | 8-330 | 24-330 | | | | | 1709 | 16 | 7-480 | 18-188 | | | | |
| 1492 | 13 | 20-828 | 13-894 | 1564 | 10 | 12-029 | 24-208 | | | | | 1710 | 13 | 8-218 | 18-979 | | | | |

R.A. 1^h 16^m

Plate 902; 1916 Dec. 18.

Provisional Constants.

$$\begin{matrix} A & B & C \\ -0.2558 & -0.0344 & +3.028 \end{matrix}$$

$$\begin{matrix} D & E & F \\ +0.0347 & -0.2577 & -3.308 \end{matrix}$$

$$Mag. = 15.7 - 1.09\sqrt{d}$$

| No. | d | x | y |
|------|----|--------|-------|
| 1801 | 8 | 0.399 | 0.037 |
| 1802 | 8 | 0.702 | 0.806 |
| 1803 | 8 | 1.184 | 0.742 |
| 1804 | 15 | 4.412 | 0.372 |
| 1805 | 10 | 6.216 | 0.608 |
| 1806 | 20 | 7.230 | 0.591 |
| 1807 | 8 | 10.207 | 0.175 |
| 1808 | 8 | 14.554 | 0.654 |
| 1809 | 24 | 21.852 | 0.678 |
| 1810 | 8 | 0.155 | 1.494 |
| 1811 | 43 | 3.500 | 1.440 |
| 1812 | 23 | 3.722 | 1.701 |
| 1813 | 12 | 10.545 | 1.393 |
| 1814 | 13 | 23.156 | 1.663 |
| 1815 | 8 | 7.044 | 2.046 |
| 1816 | 8 | 8.367 | 2.213 |
| 1817 | 10 | 8.564 | 2.943 |
| 1818 | 10 | 9.412 | 2.134 |
| 1819 | 15 | 11.284 | 2.087 |
| 1820 | 14 | 11.955 | 2.648 |
| 1821 | 34 | 16.798 | 2.543 |
| 1822 | 8 | 17.508 | 2.842 |
| 1823 | 14 | 18.236 | 2.491 |
| 1824 | 10 | 18.272 | 2.665 |
| 1825 | 8 | 18.806 | 2.263 |
| 1826 | 8 | 21.416 | 2.124 |
| 1827 | 17 | 23.946 | 2.936 |
| 1828 | 18 | 3.554 | 3.429 |
| 1829 | 9 | 22.972 | 3.683 |
| 1830 | 15 | 0.440 | 4.142 |
| 1831 | 8 | 3.095 | 4.600 |
| 1832 | 19 | 4.950 | 4.740 |
| 1833 | 10 | 5.434 | 4.959 |
| 1834 | 17 | 9.849 | 4.022 |
| 1835 | 14 | 18.307 | 4.042 |
| 1836 | 23 | 24.634 | 4.922 |
| 1837 | 11 | 25.094 | 4.412 |
| 1838 | 9 | 5.311 | 5.558 |
| 1839 | 10 | 7.388 | 5.060 |
| 1840 | 25 | 15.014 | 5.429 |
| 1841 | 19 | 18.540 | 5.754 |
| 1842 | 23 | 19.794 | 5.500 |
| 1843 | 11 | 20.636 | 5.100 |
| 1844 | 12 | 1.427 | 6.707 |
| 1845 | 11 | 2.096 | 6.897 |
| 1846 | 26 | 2.498 | 6.267 |
| 1847 | 8 | 4.210 | 6.754 |
| 1848 | 8 | 5.261 | 6.540 |
| 1849 | 20 | 9.624 | 6.692 |
| 1850 | 11 | 11.447 | 6.850 |
| 1851 | 26 | 17.862 | 6.969 |
| 1852 | 51 | 19.856 | 6.070 |
| 1853 | 10 | 21.522 | 6.468 |
| 1854 | 18 | 0.502 | 7.385 |
| 1855 | 19 | 0.702 | 7.400 |

| | | | |
|------|----|--------|--------|
| 1856 | 8 | 2.580 | 7.650 |
| 1857 | 9 | 5.120 | 7.187 |
| 1858 | 17 | 6.191 | 7.379 |
| 1859 | 10 | 8.858 | 7.536 |
| 1860 | 12 | 16.940 | 7.412 |
| 1861 | 9 | 19.947 | 7.258 |
| 1862 | 18 | 22.930 | 7.050 |
| 1863 | 38 | 1.427 | 8.650 |
| 1864 | 15 | 5.927 | 8.763 |
| 1865 | 8 | 8.296 | 8.258 |
| 1866 | 19 | 9.034 | 8.547 |
| 1867 | 13 | 13.064 | 8.712 |
| 1868 | 19 | 17.072 | 8.868 |
| 1869 | 8 | 19.043 | 8.070 |
| 1870 | 10 | 19.262 | 8.590 |
| 1871 | 26 | 12.292 | 9.902 |
| 1872 | 12 | 13.528 | 9.044 |
| 1873 | 22 | 14.786 | 9.828 |
| 1874 | 12 | 17.178 | 9.305 |
| 1875 | 12 | 22.412 | 9.894 |
| 1876 | 33 | 23.294 | 9.428 |
| 1877 | 29 | 13.178 | 10.398 |
| 1878 | 24 | 23.120 | 10.494 |
| 1879 | 13 | 24.436 | 10.586 |
| 1880 | 8 | 5.539 | 11.666 |
| 1881 | 12 | 7.575 | 11.888 |
| 1882 | 12 | 11.668 | 11.305 |
| 1883 | 12 | 17.874 | 11.052 |
| 1884 | 31 | 19.884 | 11.371 |
| 1885 | 34 | 19.938 | 11.934 |
| 1886 | 8 | 20.329 | 11.252 |
| 1887 | 8 | 0.380 | 12.633 |
| 1888 | 8 | 5.315 | 12.020 |
| 1889 | 8 | 6.770 | 12.860 |
| 1890 | 11 | 8.946 | 12.872 |
| 1891 | 19 | 9.674 | 12.718 |
| 1892 | 10 | 11.516 | 12.452 |
| 1893 | 9 | 11.702 | 12.258 |
| 1894 | 12 | 11.786 | 12.408 |
| 1895 | 10 | 12.394 | 12.964 |
| 1896 | 15 | 12.684 | 12.168 |
| 1897 | 10 | 12.692 | 12.970 |
| 1898 | 17 | 18.234 | 12.138 |
| 1899 | 11 | 19.564 | 12.936 |
| 1900 | 35 | 20.275 | 12.380 |
| 1901 | 8 | 21.718 | 12.692 |
| 1902 | 13 | 21.854 | 12.128 |
| 1903 | 8 | 23.645 | 12.754 |
| 1904 | 8 | 24.886 | 12.364 |
| 1905 | 11 | 9.350 | 13.512 |
| 1906 | 10 | 10.054 | 13.783 |
| 1907 | 19 | 10.264 | 13.460 |
| 1908 | 20 | 11.636 | 13.722 |
| 1909 | 11 | 13.538 | 13.759 |
| 1910 | 12 | 16.078 | 13.212 |
| 1911 | 30 | 0.104 | 14.672 |
| 1912 | 10 | 0.700 | 14.307 |
| 1913 | 10 | 3.708 | 14.244 |
| 1914 | 11 | 3.748 | 14.509 |
| 1915 | 11 | 3.800 | 14.212 |
| 1916 | 8 | 12.216 | 14.911 |
| 1917 | 21 | 19.740 | 14.100 |
| 1918 | 34 | 4.184 | 15.583 |
| 1919 | 22 | 6.090 | 15.842 |
| 1920 | 8 | 8.822 | 15.333 |
| 1921 | 10 | 8.992 | 15.330 |
| 1922 | 8 | 12.169 | 15.960 |
| 1923 | 10 | 12.860 | 15.708 |
| 1924 | 19 | 13.533 | 15.302 |
| 1925 | 15 | 15.174 | 15.710 |
| 1926 | 8 | 20.204 | 15.832 |
| 1927 | 12 | 20.998 | 15.910 |

| | | | |
|------|----|--------|--------|
| 2000 | 16 | 3.406 | 24.124 |
| 2001 | 26 | 3.516 | 24.206 |
| 2002 | 8 | 7.173 | 24.898 |
| 2003 | 35 | 8.169 | 24.835 |
| 2004 | 8 | 9.052 | 24.850 |
| 2005 | 10 | 9.122 | 24.323 |
| 2006 | 8 | 10.166 | 24.206 |
| 2007 | 33 | 11.826 | 24.844 |
| 2008 | 22 | 14.326 | 24.360 |
| 2009 | 8 | 16.576 | 24.768 |
| 2010 | 38 | 22.454 | 24.806 |
| 2011 | 9 | 14.866 | 25.704 |
| 2012 | 39 | 16.938 | 25.306 |
| 2013 | 40 | 20.065 | 25.476 |

| | | | |
|------|----|--------|--------|
| 2085 | 16 | 22.804 | 6.764 |
| 2086 | 36 | 0.698 | 7.204 |
| 2087 | 16 | 8.378 | 7.244 |
| 2088 | 58 | 11.081 | 7.700 |
| 2089 | 21 | 11.404 | 7.838 |
| 2090 | 36 | 20.783 | 7.794 |
| 2091 | 28 | 22.076 | 7.564 |
| 2092 | 19 | 12.195 | 8.262 |
| 2093 | 23 | 14.350 | 8.258 |
| 2094 | 40 | 1.105 | 9.663 |
| 2095 | 16 | 6.745 | 9.435 |
| 2096 | 33 | 6.849 | 9.806 |
| 2097 | 23 | 12.202 | 9.313 |
| 2098 | 17 | 16.716 | 9.706 |
| 2099 | 36 | 23.883 | 9.590 |
| 2100 | 40 | 25.238 | 9.398 |
| 2101 | 30 | 0.952 | 10.733 |
| 2102 | 18 | 2.272 | 10.798 |
| 2103 | 28 | 6.032 | 10.556 |
| 2104 | 34 | 6.618 | 10.926 |
| 2105 | 17 | 5.728 | 11.356 |
| 2106 | 46 | 7.924 | 11.084 |
| 2107 | 40 | 8.684 | 11.376 |
| 2108 | 16 | 2.752 | 12.572 |
| 2109 | 14 | 9.550 | 12.413 |
| 2110 | 34 | 9.945 | 12.844 |
| 2111 | 30 | 10.765 | 12.650 |
| 2112 | 13 | 11.956 | 12.936 |
| 2113 | 14 | 13.534 | 12.124 |
| 2114 | 30 | 14.776 | 12.049 |
| 2115 | 22 | 17.203 | 12.404 |
| 2116 | 42 | 22.136 | 12.182 |
| 2117 | 50 | 4.226 | 13.627 |
| 2118 | 12 | 7.356 | 13.513 |
| 2119 | 14 | 12.682 | 13.571 |
| 2120 | 11 | 13.666 | 13.218 |
| 2121 | 30 | 15.106 | 13.840 |
| 2122 | 60 | 22.421 | 13.533 |
| 2123 | 34 | 22.454 | 13.536 |
| 2124 | 46 | 24.092 | 13.066 |
| 2125 | 13 | 6.190 | 14.836 |
| 2126 | 13 | 7.756 | 14.095 |
| 2127 | 23 | 7.918 | 14.374 |
| 2128 | 36 | 7.236 | 14.664 |
| 2129 | 16 | 22.566 | 14.342 |
| 2130 | 36 | 1.406 | 15.081 |
| 2131 | 21 | 10.902 | 15.445 |
| 2132 | 36 | 15.860 | 15.816 |
| 2133 | 37 | 17.200 | 15.850 |
| 2134 | 16 | 10.926 | 15.074 |
| 2135 | 13 | 23.372 | 15.332 |
| 2136 | 37 | 23.792 | 15.286 |
| 2137 | 13 | 2.372 | 16.116 |
| 2138 | 16 | 3.754 | 16.878 |
| 2139 | 16 | 10.778 | 16.678 |
| 2140 | 17 | 11.513 | 16.914 |
| 2141 | 36 | 11.560 | 16.606 |
| 2142 | 11 | 17.192 | 16.055 |
| 2143 | 60 | 24.784 | 16.756 |
| 2144 | 22 | 3.302 | 17.116 |
| 2145 | 21 | 13.039 | 17.134 |
| 2146 | 13 | 16.648 | 17.415 |
| 2147 | 26 | 16.761 | 17.649 |
| 2148 | 12 | 22.833 | 17.328 |
| 2149 | 23 | 2.536 | 18.064 |
| 2150 | 24 | 8.764 | 18.675 |
| 2151 | 13 | 11.147 | 18.468 |
| 2152 | 23 | 12.323 | 18.593 |
| 2153 | 78 | 20.503 | 18.886 |
| 2154 | 16 | 22.634 | 18.074 |
| 2155 | 68 | 23.374 | 18.345 |
| 2156 | 42 | 0.630 | 19.785 |

R.A. 1^h 24^m

Plate 887; 1916 Dec. 13.

Provisional Constants.

$$\begin{matrix} A & B & C \\ -0.2544 & +0.0382 & +2.046 \end{matrix}$$

$$\begin{matrix} D & E & F \\ -0.0367 & -0.2561 & -0.0172 \end{matrix}$$

$$Mag. = 16.9 - 1.09\sqrt{d}$$

| No. | d | x | y |
|------|----|--------|-------|
| 2051 | 37 | 6.298 | 0.530 |
| 2052 | 16 | 12.071 | 0.586 |
| 2053 | 21 | 0.828 | 1.000 |
| 2054 | 11 | 5.523 | 1.200 |
| 2055 | 19 | 8.618 | 1.185 |
| 2056 | 12 | 9.912 | 1.434 |
| 2057 | 10 | 11.125 | 1.152 |
| 2058 | 46 | 17.354 | 1.888 |
| 2059 | 16 | 17.380 | 1.477 |
| 2060 | 38 | 18.627 | 1.174 |
| 2061 | 36 | 18.860 | 1.766 |
| 2062 | 22 | 22.018 | 1.596 |
| 2063 | 78 | 22.104 | 1.444 |
| 2064 | 17 | 4.384 | 2.342 |
| 2065 | 13 | 5.454 | 2.327 |
| 2066 | 28 | 5.974 | 2.813 |
| 2067 | 20 | 7.735 | 2.423 |
| 2068 | 39 | 24.146 | 2.372 |
| 2069 | 32 | 1.642 | 3.161 |
| 2070 | 32 | 6.336 | 3.220 |
| 2071 | 37 | 17.984 | 3.963 |
| 2072 | 57 | 19.686 | 3.264 |
| 2073 | 56 | 21.458 | 3.428 |
| 2074 | 17 | 2.816 | 4.614 |
| 2075 | 16 | 11.992 | 4.964 |
| 2076 | 13 | 12.904 | 4.975 |
| 2077 | 38 | 2.366 | 5.128 |
| 2078 | 32 | 12.788 | 5.856 |
| 2079 | 13 | 14.400 | 5.634 |
| 2080 | 18 | 14.627 | 5.199 |
| 2081 | 34 | 20.386 | 5.928 |
| 2082 | 36 | 5.708 | 6.864 |
| 2083 | 18 | 12.336 | 6.170 |
| 2084 | 80 | 13.172 | 6.233 |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|-----|--------|--------|-------|----|--------|--------|------|----|--------|--------|-------|----|--------|--------|
| 2157 | 16 | 6-522 | 19-344 | 2211 | 11 | 17-973 | 1-100 | 2283 | 9 | 21-198 | 12-734 | 2355 | 19 | 24-893 | 24-573 | 2443 | 29 | 8-026 | 7-356 |
| 2158 | 22 | 10-812 | 19-128 | 2212* | 66 | 19-598 | 1-994 | 2284 | 71 | 0-251 | 13-326 | 2356 | 60 | 0-586 | 25-519 | 2444 | 30 | 9-738 | 7-764 |
| 2159 | 32 | 17-231 | 19-296 | 2213 | 11 | 19-800 | 1-412 | 2285 | 27 | 0-200 | 13-330 | 2357 | 30 | 2-180 | 25-150 | 2445 | 9 | 13-973 | 7-068 |
| 2160 | 16 | 17-254 | 19-267 | 2214 | 22 | 20-850 | 1-481 | 2286 | 10 | 5-730 | 13-798 | 2358 | 12 | 8-100 | 25-970 | 2446 | 31 | 14-064 | 7-040 |
| 2161* | 68 | 20-734 | 19-004 | 2215* | 96 | 21-114 | 1-424 | 2287 | 14 | 8-818 | 13-458 | 2359 | 44 | 12-126 | 25-518 | 2447 | 27 | 15-128 | 7-329 |
| 2162 | 17 | 21-386 | 19-011 | 2216* | 53 | 1-954 | 2-163 | 2288 | 13 | 9-894 | 13-819 | 2360 | 39 | 23-051 | 25-832 | 2448 | 15 | 15-549 | 7-062 |
| 2163 | 25 | 6-250 | 20-774 | 2217 | 14 | 16-892 | 2-860 | 2289 | 11 | 17-652 | 13-095 | | | | | 2449 | 25 | 18-462 | 7-108 |
| 2164 | 20 | 6-724 | 20-433 | 2218 | 19 | 17-598 | 2-562 | 2290 | 16 | 20-998 | 13-475 | | | | | 2450 | 9 | 2-362 | 8-920 |
| 2165 | 16 | 6-781 | 20-083 | 2219 | 31 | 18-030 | 2-563 | 2291 | 26 | 23-100 | 13-412 | | | | | 2451 | 25 | 3-105 | 8-195 |
| 2166 | 30 | 7-225 | 20-278 | 2220 | 15 | 23-038 | 2-923 | 2292 | 14 | 8-622 | 14-640 | | | | | 2452 | 18 | 4-124 | 8-311 |
| 2167 | 22 | 12-161 | 20-760 | 2221 | 14 | 25-950 | 2-975 | 2293 | 27 | 11-500 | 14-610 | | | | | 2453* | 56 | 5-465 | 8-166 |
| 2168 | 15 | 12-303 | 20-486 | 2222 | 12 | 6-100 | 3-278 | 2294 | 19 | 14-802 | 14-607 | | | | | 2454 | 29 | 6-204 | 8-484 |
| 2169 | 9 | 20-435 | 20-434 | 2223 | 54 | 6-239 | 3-546 | 2295* | 43 | 18-243 | 14-840 | | | | | 2455 | 29 | 10-278 | 8-348 |
| 2170* | 76 | 24-674 | 20-425 | 2224 | 12 | 15-380 | 3-673 | 2296 | 14 | 1-216 | 15-122 | | | | | 2456 | 17 | 13-835 | 8-630 |
| 2171 | 10 | 11-564 | 21-553 | 2225 | 9 | 5-940 | 4-292 | 2297 | 42 | 1-634 | 15-078 | | | | | 2457* | 44 | 21-335 | 8-501 |
| 2172 | 19 | 18-345 | 21-022 | 2226 | 13 | 7-440 | 4-062 | 2298 | 30 | 5-470 | 15-757 | | | | | 2458 | 22 | 23-900 | 8-052 |
| 2173 | 23 | 8-023 | 22-096 | 2227 | 13 | 12-850 | 4-383 | 2299 | 16 | 12-200 | 15-000 | | | | | 2459 | 14 | 17-072 | 9-605 |
| 2174 | 20 | 8-416 | 22-494 | 2228 | 20 | 13-344 | 4-019 | 2300 | 12 | 15-239 | 15-140 | | | | | 2460 | 9 | 18-287 | 9-407 |
| 2175 | 10 | 22-372 | 22-225 | 2229 | 37 | 13-520 | 4-198 | 2301 | 11 | 15-425 | 15-765 | | | | | 2461 | 23 | 5-666 | 10-514 |
| 2176 | 32 | 4-945 | 23-275 | 2230 | 11 | 15-584 | 4-326 | 2302 | 13 | 24-186 | 15-670 | | | | | 2462 | 31 | 14-900 | 10-914 |
| 2177 | 19 | 6-166 | 23-196 | 2231 | 14 | 19-158 | 4-806 | 2303 | 30 | 24-810 | 15-469 | | | | | 2463 | 9 | 25-770 | 10-074 |
| 2178 | 15 | 12-463 | 23-575 | 2232* | 104 | 19-934 | 4-279 | 2304* | 59 | 2-622 | 16-541 | | | | | 2464 | 10 | 3-278 | 11-018 |
| 2179 | 19 | 14-798 | 23-719 | 2233 | 13 | 23-314 | 4-776 | 2305 | 19 | 8-272 | 16-910 | | | | | 2465* | 12 | 3-578 | 11-265 |
| 2180 | 16 | 3-754 | 24-582 | 2234 | 11 | 23-372 | 4-689 | 2306 | 10 | 12-853 | 16-572 | | | | | 2466 | 9 | 8-387 | 11-313 |
| 2181 | 16 | 4-664 | 24-234 | 2235 | 31 | 25-978 | 4-993 | 2307 | 29 | 13-980 | 16-507 | | | | | 2467* | 36 | 13-045 | 11-300 |
| 2182 | 32 | 9-624 | 24-514 | 2236 | 9 | 6-182 | 5-672 | 2308 | 14 | 15-144 | 16-616 | | | | | 2468 | 19 | 15-084 | 11-245 |
| 2183 | 36 | 21-540 | 24-336 | 2237 | 24 | 8-648 | 5-175 | 2309* | 55 | 19-686 | 16-057 | | | | | 2469 | 14 | 16-680 | 11-050 |
| 2184 | 60 | 0-554 | 25-056 | 2238 | 15 | 8-747 | 5-831 | 2310 | 42 | 20-390 | 16-902 | | | | | 2470 | 37 | 18-819 | 11-677 |
| 2185 | 18 | 11-588 | 25-971 | 2239 | 13 | 9-004 | 5-572 | 2311 | 11 | 0-682 | 17-125 | | | | | 2471 | 10 | 19-485 | 11-197 |
| 2186 | 14 | 14-572 | 25-872 | 2240 | 11 | 9-040 | 5-318 | 2312 | 26 | 4-924 | 17-578 | | | | | 2472 | 25 | 20-112 | 11-212 |
| 2187 | 60 | 16-245 | 25-674 | 2241* | 54 | 14-584 | 5-444 | 2313 | 14 | 9-652 | 17-810 | | | | | 2473 | 8 | 23-398 | 11-400 |
| 2188 | 17 | 18-024 | 25-084 | 2242 | 13 | 21-714 | 5-540 | 2314 | 19 | 20-924 | 17-100 | | | | | 2474* | 59 | 24-145 | 11-050 |
| 2189 | 16 | 21-760 | 25-694 | 2243 | 18 | 22-998 | 5-393 | 2315 | 21 | 21-386 | 17-818 | | | | | 2475 | 30 | 25-902 | 11-206 |
| 2190 | 64 | 22-714 | 25-726 | 2244 | 16 | 0-622 | 6-557 | 2316 | 23 | 21-424 | 17-639 | | | | | 2476 | 25 | 14-662 | 12-917 |
| 2191 | 32 | 24-302 | 25-360 | 2245 | 28 | 6-938 | 6-368 | 2317 | 12 | 0-486 | 18-767 | | | | | 2477 | 9 | 21-816 | 12-814 |
| | | | | 2246 | 13 | 8-447 | 6-866 | 2318* | 75 | 1-219 | 18-135 | | | | | 2478* | 69 | 24-813 | 12-206 |
| | | | | 2247 | 10 | 12-332 | 6-357 | 2319 | 11 | 11-294 | 18-873 | | | | | 2479 | 26 | 1-016 | 13-426 |
| | | | | 2248 | 10 | 20-365 | 6-704 | 2320 | 11 | 21-625 | 18-650 | | | | | 2480 | 35 | 10-296 | 13-266 |
| | | | | 2249 | 76 | 25-981 | 6-584 | 2321 | 17 | 5-323 | 19-208 | | | | | 2481 | 22 | 11-397 | 13-924 |
| | | | | 2250 | 20 | 0-800 | 7-352 | 2322 | 38 | 14-878 | 19-610 | | | | | 2482 | 23 | 14-176 | 13-447 |
| | | | | 2251 | 11 | 5-710 | 7-452 | 2323 | 23 | 19-510 | 19-368 | | | | | 2483 | 22 | 17-924 | 13-454 |
| | | | | 2252* | 50 | 10-536 | 7-608 | 2324 | 8 | 21-620 | 19-872 | | | | | 2484 | 29 | 20-140 | 13-106 |
| | | | | 2253 | 50 | 17-518 | 7-138 | 2325* | 78 | 2-526 | 20-212 | | | | | 2485 | 11 | 22-324 | 13-760 |
| | | | | 2254 | 9 | 19-727 | 7-250 | 2326 | 12 | 2-882 | 20-096 | | | | | 2486 | 26 | 7-617 | 14-746 |
| | | | | 2255 | 11 | 21-022 | 7-703 | 2327 | 31 | 6-130 | 20-612 | | | | | 2487 | 30 | 8-856 | 14-897 |
| | | | | 2256 | 10 | 25-459 | 7-690 | 2328 | 16 | 11-350 | 20-650 | | | | | 2488 | 37 | 11-960 | 14-478 |
| | | | | 2257 | 26 | 14-200 | 8-926 | 2329 | 11 | 13-884 | 20-520 | | | | | 2489 | 8 | 20-868 | 14-144 |
| | | | | 2258 | 14 | 24-514 | 8-926 | 2330 | 13 | 23-948 | 20-445 | | | | | 2490 | 35 | 21-450 | 14-810 |
| | | | | 2259 | 17 | 25-272 | 8-219 | 2331 | 13 | 3-115 | 21-213 | | | | | 2491* | 48 | 22-892 | 14-596 |
| | | | | 2260 | 44 | 1-710 | 9-386 | 2332 | 15 | 3-598 | 21-186 | | | | | 2492 | 10 | 2-140 | 15-668 |
| | | | | 2261 | 50 | 3-062 | 9-182 | 2333 | 21 | 4-015 | 21-979 | | | | | 2493 | 33 | 2-756 | 15-544 |
| | | | | 2262 | 14 | 5-878 | 9-506 | 2334* | 55 | 5-640 | 21-778 | | | | | 2494 | 30 | 8-384 | 15-620 |
| | | | | 2263 | 13 | 3-336 | 10-734 | 2335 | 27 | 12-608 | 21-820 | | | | | 2495 | 18 | 11-036 | 15-309 |
| | | | | 2264 | 40 | 20-880 | 10-237 | 2336 | 12 | 19-005 | 21-480 | | | | | 2496 | 31 | 14-809 | 15-004 |
| | | | | 2265 | 14 | 21-203 | 10-744 | 2337 | 41 | 20-852 | 21-260 | | | | | 2497 | 36 | 17-750 | 15-420 |
| | | | | 2266 | 19 | 4-300 | 11-035 | 2338 | 10 | 7-305 | 22-320 | | | | | 2498 | 12 | 2-916 | 16-076 |
| | | | | 2267 | 13 | 5-344 | 11-954 | 2339 | 15 | 7-593 | 22-410 | | | | | 2499 | 33 | 8-608 | 16-947 |
| | | | | 2268 | 11 | 7-934 | 11-809 | 2340 | 12 | 11-867 | 22-086 | | | | | 2500 | 26 | 8-634 | 16-954 |
| | | | | 2269 | 14 | 9-190 | 11-750 | 2341* | 72 | 14-000 | 22-731 | | | | | 2501 | 10 | 9-550 | 16-254 |
| | | | | 2270 | 21 | 13-301 | 11-031 | 2342 | 19 | 14-814 | 22-025 | | | | | 2502 | 11 | 13-091 | 16-898 |
| | | | | 2271 | 22 | 14-670 | 11-495 | 2343 | 13 | 16-781 | 22-201 | | | | | 2503 | 12 | 14-180 | 16-500 |
| | | | | 2272 | 16 | 20-581 | 11-486 | 2344 | 28 | 18-339 | 22-258 | | | | | 2504 | 13 | 15-114 | 16-089 |
| | | | | 2273* | 48 | 20-590 | 11-534 | 2345 | 13 | 20-336 | 22-861 | | | | | 2505 | 12 | 18-888 | 16-480 |
| | | | | 2274 | 11 | 25-400 | 11-044 | 2346 | 13 | 20-826 | 22-994 | | | | | 2506 | 10 | 20-482 | 16-346 |
| | | | | 2275 | 10 | 25-694 | 11-292 | 2347 | 13 | 12-035 | 23-068 | | | | | 2507 | 11 | 1-232 | 17-810 |
| | | | | 2276 | 9 | 1-406 | 12-788 | 2348 | 16 | 22-346 | 23-105 | | | | | 2508 | 23 | 6-687 | 17-184 |
| | | | | 2277 | 51 | 1-926 | 12-853 | 2349 | 25 | 22-548 | 23-685 | | | | | 2509 | 24 | 10-702 | 17-560 |
| | | | | 2278* | 55 | 8-260 | 12-436 | 2350 | 16 | 10-800 | 24-700 | | | | | 2510 | 18 | 16-416 | 17-504 |
| | | | | 2279 | 13 | 11-974 | 12-475 | 2351 | 33 | 13-048 | 24-855 | | | | | 2511 | 24 | 19-876 | 17-272 |
| | | | | 2280* | 51 | 13-932 | 12-232 | 2352 | 10 | 15-179 | 24-854 | | | | | 2512 | 28 | 22-138 | 17-911 |
| | | | | 2281 | 25 | 15-146 | 12-738 | 2353 | 8 | 20-431 | 24-086 | | | | | 2513 | 8 | 1-509 | 18-101 |
| | | | | 2282 | 13 | 17-853 | 12-670 | 2354 | 62 | 24-460 | 24-492 | | | | | 2514 | 8 | 2-596 | 18-382 |

R.A. 1^h 40^m

Plate 891; 1916 Dec. 14.

Provisional Constants.

A B C
-02563 -00006 +2410D E F
+00009 -02580 -2167

Mag. = 17.0 - 1.09√d

| No. | d | x | y |
|-------|----|--------|------|
| 2401 | 18 | 12-861 | 0-59 |
| 2402* | 45 | 16-764 | 0-17 |
| 2403* | 90 | 19-744 | 0-57 |
| 2404 | 13 | 19-858 | 0-37 |
| 2405 | 20 | 25-338 | 0-33 |
| 2406 | 10 | 0-538 | 1-13 |
| 2407 | 33 | 3-664 | 1-75 |
| 2408 | 15 | 21-044 | 1-02 |
| 2409 | 17 | 0-790 | 2-94 |
| 2410 | 21 | 3-705 | 2-97 |
| 2411 | 21 | 3-835 | 2-04 |
| 2412 | 14 | 4-715 | 2-97 |
| 2413* | 38 | 8-700 | 2-05 |
| 2414* | 38 | 8-775 | 2-03 |
| 2415 | 10 | 12-774 | 2-60 |
| 2416 | 25 | 16-089 | 2-68 |
| 2417 | 9 | 18-434 | 2-44 |
| 2418* | 34 | 19-592 | 2-71 |
| 2419 | 13 | 19-856 | 2-61 |
| 2420 | 24 | 23-303 | 2-83 |
| 2421 | 33 | 14-322 | 3-37 |
| 2422 | 9 | 15-906 | 3-19 |
| 2423 | 14 | 21-394 | 3-34 |
| 2424* | 46 | 24-656 | 3-85 |
| 2425 | 9 | 1-096 | 4-79 |
| 2426 | 10 | 1-154 | 4-70 |
| 2427 | 32 | 3-762 | 4-06 |
| 2428* | 40 | 6-730 | 4-41 |
| 2429 | 30 | 10-504 | 4-10 |
| 2430 | 8 | 11-724 | 4-55 |
| 2431 | 17 | 0-786 | 5-14 |
| 2432* | 78 | 5-654 | 5-15 |
| 2433 | 29 | 11-715 | 5-23 |
| 2434 | 21 | 12-114 | 5-02 |
| 2435 | 10 | 14-936 | 5-58 |
| 2436 | 15 | 18-748 | 5-67 |
| 2437* | 60 | 3-785 | 6-55 |
| 2438 | 34 | 10-790 | 6-30 |
| 2439 | 12 | 13-858 | 6-88 |
| 2440 | 11 | 21-374 | 6-00 |
| 2441* | 57 | 24-674 | 6-55 |
| 2442 | 13 | 6-921 | 7-65 |

| R.A. 2 ^h 20 ^m | | | | R.A. 2 ^h 28 ^m | | | |
|--|----|--------|--------|--|----|--------|--------|
| Plate 852; 1916 Nov. 27. | | | | Plate 904; 1916 Dec. 16. | | | |
| Provisional Constants. | | | | Provisional Constants. | | | |
| $\begin{matrix} A & B & C \\ -02567 & +00422 & +2206 \end{matrix}$ | | | | $\begin{matrix} A & B & C \\ -02536 & +00300 & +2918 \end{matrix}$ | | | |
| $\begin{matrix} D & E & F \\ -00452 & -02561 & -2232 \end{matrix}$ | | | | $\begin{matrix} D & E & F \\ -00335 & -02573 & -2113 \end{matrix}$ | | | |
| $Mag. = 17.1 - 1.09\sqrt{d}$ | | | | $Mag. = 16.9 - 1.09\sqrt{d}$ | | | |
| No. | d | x | y | No. | d | x | y |
| 3252 | 16 | 11-114 | 18-476 | 3406 | 8 | 11-886 | 9-626 |
| 3253 | 18 | 17-045 | 18-732 | 3407 | 8 | 13-187 | 9-654 |
| 3254 | 34 | 18-355 | 18-194 | 3408 | 34 | 13-427 | 9-118 |
| 3255 | 13 | 19-288 | 18-100 | 3409 | 15 | 13-425 | 9-778 |
| 3256 | 14 | 19-728 | 18-599 | 3410 | 28 | 15-461 | 9-755 |
| 3257* | 60 | 21-732 | 18-520 | 3411 | 16 | 17-256 | 9-000 |
| 3258 | 20 | 24-948 | 18-530 | 3412 | 9 | 17-434 | 9-618 |
| 3259 | 17 | 8-057 | 19-680 | 3413 | 38 | 19-400 | 9-180 |
| 3260* | 62 | 10-510 | 19-419 | 3414 | 8 | 3-168 | 10-736 |
| 3261 | 20 | 14-146 | 19-782 | 3415 | 35 | 3-996 | 10-876 |
| 3262 | 44 | 14-490 | 19-140 | 3416 | 11 | 5-955 | 10-334 |
| 3263 | 19 | 15-589 | 19-066 | 3417 | 9 | 7-544 | 10-916 |
| 3264 | 21 | 19-583 | 19-688 | 3418* | 96 | 8-100 | 10-168 |
| 3265* | 68 | 20-909 | 19-594 | 3419 | 13 | 10-350 | 10-631 |
| 3266 | 26 | 25-040 | 19-836 | 3420 | 8 | 10-892 | 10-474 |
| 3267 | 37 | 1-520 | 20-706 | 3421 | 30 | 12-735 | 10-424 |
| 3268 | 12 | 10-230 | 20-404 | 3422 | 9 | 13-302 | 10-360 |
| 3269 | 33 | 10-749 | 20-448 | 3423 | 9 | 21-266 | 10-560 |
| 3270 | 40 | 11-944 | 20-507 | 3424 | 38 | 1-390 | 11-280 |
| 3271* | 58 | 17-527 | 20-851 | 3425 | 10 | 5-422 | 11-673 |
| 3272 | 34 | 17-760 | 20-127 | 3426 | 8 | 7-847 | 11-651 |
| 3273 | 25 | 21-376 | 20-340 | 3427 | 12 | 9-010 | 11-760 |
| 3274 | 43 | 5-790 | 21-076 | 3428 | 15 | 14-332 | 11-761 |
| 3275 | 20 | 7-320 | 21-846 | 3429 | 20 | 19-982 | 11-320 |
| 3276 | 20 | 7-654 | 21-515 | 3430 | 11 | 20-781 | 11-844 |
| 3277 | 10 | 11-843 | 21-374 | 3431 | 14 | 21-975 | 11-101 |
| 3278 | 24 | 16-846 | 21-285 | 3432 | 28 | 23-465 | 11-154 |
| 3279 | 35 | 20-872 | 21-264 | 3433 | 38 | 0-579 | 12-244 |
| 3280 | 40 | 25-655 | 21-276 | 3434 | 31 | 5-194 | 12-311 |
| 3281 | 17 | 0-064 | 22-084 | 3435 | 10 | 7-800 | 12-060 |
| 3282 | 24 | 0-102 | 22-784 | 3436 | 27 | 8-000 | 12-718 |
| 3283 | 33 | 5-570 | 22-300 | 3437 | 8 | 9-330 | 12-602 |
| 3284 | 19 | 14-438 | 22-828 | 3438 | 16 | 10-182 | 12-100 |
| 3285 | 10 | 20-654 | 22-112 | 3439 | 30 | 11-164 | 12-272 |
| 3286 | 12 | 1-680 | 23-335 | 3440 | 41 | 15-104 | 12-900 |
| 3287 | 43 | 2-218 | 23-654 | 3441 | 9 | 19-674 | 12-130 |
| 3288 | 34 | 4-891 | 23-512 | 3442 | 8 | 25-078 | 12-533 |
| 3289 | 38 | 5-408 | 23-840 | 3443* | 49 | 25-244 | 12-142 |
| 3290 | 40 | 13-571 | 23-872 | 3444 | 14 | 2-224 | 13-607 |
| 3291 | 15 | 16-770 | 23-176 | 3445 | 14 | 2-378 | 13-903 |
| 3292 | 24 | 20-100 | 23-850 | 3446 | 26 | 4-224 | 13-560 |
| 3293 | 14 | 20-885 | 23-287 | 3447 | 13 | 10-429 | 13-587 |
| 3294 | 11 | 23-210 | 23-276 | 3448 | 21 | 11-534 | 13-564 |
| 3295* | 60 | 4-626 | 24-224 | 3449 | 15 | 18-844 | 13-212 |
| 3296 | 28 | 4-641 | 24-314 | 3450 | 10 | 20-050 | 13-550 |
| 3297 | 25 | 5-710 | 24-329 | 3451 | 8 | 21-515 | 13-040 |
| 3298 | 40 | 6-644 | 24-893 | 3452 | 14 | 21-992 | 13-702 |
| 3299 | 16 | 7-877 | 24-399 | 3453 | 23 | 22-848 | 13-618 |
| 3300 | 32 | 9-065 | 24-836 | 3454* | 70 | 24-545 | 13-156 |
| 3301 | 34 | 11-123 | 24-242 | 3455 | 8 | 25-100 | 13-352 |
| 3302* | 66 | 15-192 | 24-662 | 3456 | 15 | 3-206 | 14-441 |
| 3303 | 19 | 16-202 | 24-797 | 3457 | 19 | 4-628 | 14-847 |
| 3304 | 25 | 18-292 | 24-316 | 3458 | 22 | 5-942 | 14-698 |
| 3305* | 80 | 18-770 | 24-044 | 3459 | 37 | 6-420 | 14-746 |
| 3306 | 40 | 3-950 | 25-162 | 3460 | 13 | 10-115 | 14-288 |
| 3307 | 11 | 5-972 | 25-924 | 3461 | 18 | 11-825 | 14-248 |
| 3308 | 16 | 13-804 | 25-474 | 3462 | 33 | 13-524 | 14-106 |
| 3309 | 40 | 15-316 | 25-177 | 3463 | 12 | 16-880 | 14-182 |
| 3310 | 27 | 23-376 | 25-660 | 3464 | 10 | 18-950 | 14-072 |
| | | | | 3465 | 15 | 20-740 | 14-632 |
| | | | | 3466 | 9 | 25-036 | 14-242 |
| | | | | 3467 | 20 | 6-906 | 15-002 |
| | | | | 3468 | 8 | 13-548 | 15-458 |
| | | | | 3469 | 9 | 15-700 | 15-792 |
| | | | | 3470 | 8 | 18-906 | 15-322 |
| | | | | 3471 | 16 | 19-136 | 15-416 |
| | | | | 3472 | 18 | 19-714 | 15-136 |
| | | | | 3473 | 24 | 23-380 | 15-875 |
| | | | | 3474 | 8 | 2-787 | 16-532 |
| | | | | 3475 | 12 | 8-350 | 16-474 |
| | | | | 3476 | 27 | 10-866 | 16-308 |
| | | | | 3477 | 24 | 11-385 | 16-830 |

R.A. 2^h 44^m

Plate 860; 1916 Nov. 28.

Provisional Constants.

| | | |
|--------|--------|-------|
| A | B | C |
| -02537 | +00285 | +1397 |

| | | |
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| D | E | F |
| -00310 | -02575 | -2092 |

Mag. = 16.6 - 1.09√d

| No. | d | x | y |
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| 4001* | 54 | 2.758 | 0.805 |
| 4002* | 44 | 9.410 | 0.426 |
| 4003 | 10 | 10.395 | 0.067 |
| 4004 | 40 | 11.830 | 0.316 |
| 4005 | 33 | 12.354 | 0.627 |
| 4006 | 9 | 13.550 | 0.600 |
| 4007 | 14 | 17.004 | 0.561 |
| 4008 | 37 | 17.602 | 0.288 |
| 4009 | 9 | 18.480 | 0.220 |
| 4010 | 13 | 0.492 | 1.672 |
| 4011 | 10 | 1.670 | 1.900 |
| 4012 | 9 | 5.610 | 1.290 |
| 4013 | 9 | 8.471 | 1.904 |
| 4014 | 30 | 8.630 | 1.330 |
| 4015 | 10 | 10.746 | 1.530 |
| 4016 | 16 | 16.040 | 1.795 |
| 4017 | 11 | 22.902 | 1.489 |
| 4018 | 8 | 24.520 | 1.407 |
| 4019 | 12 | 25.369 | 1.610 |
| 4020 | 11 | 0.820 | 2.813 |
| 4021 | 9 | 8.085 | 2.608 |
| 4022 | 26 | 9.833 | 2.313 |
| 4023 | 12 | 10.736 | 2.463 |
| 4024 | 30 | 16.833 | 2.632 |
| 4025 | 10 | 21.384 | 2.408 |
| 4026 | 17 | 22.581 | 2.308 |
| 4027 | 23 | 23.448 | 2.278 |
| 4028 | 10 | 24.993 | 2.453 |
| 4029 | 13 | 1.601 | 3.376 |
| 4030* | 49 | 2.586 | 3.173 |
| 4031 | 10 | 10.501 | 3.417 |
| 4032 | 11 | 16.230 | 3.726 |
| 4033 | 20 | 3.890 | 4.712 |
| 4034 | 14 | 4.642 | 4.970 |
| 4035 | 15 | 5.451 | 4.026 |
| 4036 | 12 | 8.544 | 4.380 |
| 4037 | 16 | 10.313 | 4.061 |
| 4038 | 15 | 14.784 | 4.332 |
| 4039 | 39 | 16.527 | 4.437 |
| 4040 | 19 | 17.744 | 4.693 |
| 4041 | 8 | 18.150 | 4.516 |
| 4042 | 12 | 21.287 | 4.177 |
| 4043 | 20 | 6.875 | 5.650 |
| 4044 | 14 | 12.395 | 5.865 |
| 4045 | 29 | 12.397 | 5.306 |
| 4046 | 10 | 17.509 | 5.088 |
| 4047* | 49 | 23.318 | 5.660 |
| 4048 | 38 | 4.782 | 6.154 |
| 4049 | 9 | 5.391 | 6.927 |
| 4050* | 43 | 7.030 | 6.162 |
| 4051 | 10 | 11.074 | 6.176 |
| 4052 | 9 | 11.859 | 6.587 |
| 4053 | 15 | 11.862 | 6.828 |
| 4054 | 15 | 14.475 | 6.648 |
| 4055 | 12 | 17.359 | 6.452 |

| | | | |
|-------|-----|--------|--------|
| 4056 | 9 | 24.010 | 6.678 |
| 4057 | 9 | 2.848 | 7.092 |
| 4058 | 32 | 3.068 | 7.270 |
| 4059 | 14 | 8.290 | 7.596 |
| 4060 | 9 | 12.350 | 7.142 |
| 4061 | 10 | 14.232 | 7.153 |
| 4062 | 26 | 20.538 | 7.221 |
| 4063 | 10 | 2.294 | 8.272 |
| 4064 | 21 | 5.033 | 8.955 |
| 4065 | 22 | 5.509 | 8.366 |
| 4066 | 18 | 5.640 | 8.262 |
| 4067* | 40 | 10.664 | 8.882 |
| 4068 | 10 | 12.717 | 8.712 |
| 4069 | 8 | 25.177 | 8.698 |
| 4070 | 26 | 25.228 | 8.912 |
| 4071 | 21 | 1.960 | 9.370 |
| 4072 | 14 | 2.962 | 9.892 |
| 4073 | 14 | 6.444 | 9.838 |
| 4074 | 17 | 9.859 | 9.722 |
| 4075* | 41 | 10.102 | 9.349 |
| 4076* | 43 | 11.058 | 9.600 |
| 4077 | 9 | 13.062 | 9.212 |
| 4078 | 22 | 14.768 | 9.180 |
| 4079 | 11 | 15.328 | 9.693 |
| 4080 | 10 | 18.792 | 9.548 |
| 4081 | 17 | 21.115 | 9.719 |
| 4082* | 52 | 22.174 | 9.760 |
| 4083 | 10 | 4.410 | 10.320 |
| 4084* | 43 | 7.116 | 10.888 |
| 4085 | 10 | 8.768 | 10.662 |
| 4086 | 16 | 8.888 | 10.830 |
| 4087 | 9 | 12.978 | 10.636 |
| 4088 | 9 | 13.674 | 10.262 |
| 4089 | 12 | 15.823 | 10.477 |
| 4090* | 41 | 24.276 | 10.745 |
| 4091 | 10 | 2.124 | 11.246 |
| 4092 | 22 | 13.642 | 11.412 |
| 4093* | 45 | 16.638 | 11.028 |
| 4094 | 13 | 17.505 | 11.488 |
| 4095 | 15 | 17.602 | 11.979 |
| 4096 | 29 | 18.104 | 11.426 |
| 4097 | 13 | 19.866 | 11.048 |
| 4098 | 13 | 21.976 | 11.784 |
| 4099* | 128 | 3.005 | 12.432 |
| 4100 | 10 | 4.206 | 12.492 |
| 4101 | 12 | 4.994 | 12.441 |
| 4102 | 10 | 6.730 | 12.614 |
| 4103 | 34 | 14.580 | 12.980 |
| 4104 | 20 | 14.903 | 12.419 |
| 4105 | 12 | 17.324 | 12.675 |
| 4106 | 15 | 17.608 | 12.590 |
| 4107 | 14 | 19.698 | 12.161 |
| 4108 | 12 | 19.875 | 12.200 |
| 4109 | 14 | 19.977 | 12.162 |
| 4110 | 10 | 22.504 | 12.128 |
| 4111 | 33 | 22.506 | 12.603 |
| 4112 | 35 | 0.626 | 13.789 |
| 4113* | 32 | 9.444 | 13.282 |
| 4114* | 51 | 11.811 | 13.602 |
| 4115 | 12 | 13.840 | 13.784 |
| 4116 | 9 | 16.766 | 13.368 |
| 4117 | 14 | 18.523 | 13.938 |
| 4118 | 20 | 20.286 | 13.912 |
| 4119 | 30 | 22.140 | 13.421 |
| 4120 | 18 | 22.196 | 13.920 |
| 4121 | 15 | 23.052 | 13.330 |
| 4122 | 23 | 24.541 | 13.328 |
| 4123 | 9 | 0.196 | 14.461 |
| 4124 | 8 | 9.549 | 14.816 |
| 4125 | 17 | 14.870 | 14.192 |
| 4126 | 12 | 17.912 | 14.356 |
| 4127 | 15 | 18.264 | 14.382 |

| | | | |
|------|----|--------|--------|
| 4200 | 12 | 5.750 | 23.421 |
| 4201 | 16 | 10.646 | 23.826 |
| 4202 | 12 | 13.219 | 23.009 |
| 4203 | 17 | 1.946 | 24.010 |
| 4204 | 19 | 6.560 | 24.060 |
| 4205 | 19 | 7.706 | 24.956 |
| 4206 | 9 | 11.339 | 24.221 |
| 4207 | 34 | 11.844 | 24.100 |
| 4208 | 10 | 22.028 | 24.086 |
| 4209 | 10 | 22.468 | 24.144 |
| 4210 | 20 | 23.970 | 24.498 |
| 4211 | 29 | 2.228 | 25.500 |
| 4212 | 30 | 6.553 | 25.020 |
| 4213 | 9 | 19.090 | 25.097 |

R.A. 2^h 52^m

Plate 898; 1916 Dec. 15.

Provisional Constants.

| | | |
|--------|--------|-------|
| A | B | C |
| -02574 | +00484 | +2200 |

| | | |
|--------|--------|-------|
| D | E | F |
| -00489 | -02560 | -3221 |

Mag. = 16.5 - 1.09√d

| No. | d | x | y |
|-------|----|--------|-------|
| 4251 | 18 | 8.234 | 0.800 |
| 4252 | 11 | 14.747 | 0.778 |
| 4253 | 38 | 19.754 | 0.085 |
| 4254 | 34 | 8.512 | 1.208 |
| 4255 | 10 | 11.536 | 1.137 |
| 4256* | 39 | 17.318 | 1.204 |
| 4257 | 24 | 19.933 | 1.260 |
| 4258 | 12 | 0.430 | 2.280 |
| 4259 | 30 | 1.204 | 2.239 |
| 4260 | 18 | 5.048 | 2.954 |
| 4261 | 17 | 5.441 | 2.167 |
| 4262 | 25 | 8.383 | 2.251 |
| 4263 | 8 | 19.628 | 2.138 |
| 4264 | 9 | 4.324 | 3.817 |
| 4265 | 32 | 7.030 | 3.442 |
| 4266 | 9 | 15.173 | 3.049 |
| 4267* | 48 | 25.400 | 3.646 |
| 4268 | 29 | 25.608 | 3.985 |
| 4269 | 10 | 2.246 | 4.313 |
| 4270 | 10 | 12.208 | 4.167 |
| 4271 | 10 | 17.915 | 4.187 |
| 4272 | 10 | 19.132 | 4.081 |
| 4273* | 50 | 1.200 | 5.623 |
| 4274 | 10 | 7.480 | 5.994 |
| 4275 | 28 | 10.885 | 5.852 |
| 4276 | 10 | 12.990 | 5.684 |
| 4277 | 14 | 13.393 | 5.658 |
| 4278 | 14 | 4.228 | 6.784 |
| 4279 | 23 | 10.086 | 6.861 |
| 4280 | 10 | 13.388 | 6.974 |
| 4281 | 29 | 17.183 | 6.805 |
| 4282* | 48 | 20.731 | 6.824 |
| 4283 | 10 | 6.715 | 7.384 |
| 4284 | 12 | 8.686 | 7.092 |

| | | | |
|-------|----|--------|--------|
| 4285 | 28 | 9.415 | 7.830 |
| 4286 | 26 | 10.202 | 7.860 |
| 4287 | 24 | 10.635 | 7.108 |
| 4288 | 39 | 17.246 | 7.650 |
| 4289 | 30 | 19.055 | 7.228 |
| 4290 | 10 | 25.844 | 7.014 |
| 4291 | 30 | 3.166 | 8.849 |
| 4292 | 12 | 10.925 | 8.206 |
| 4293 | 26 | 14.770 | 8.102 |
| 4294 | 31 | 18.811 | 8.362 |
| 4295 | 58 | 0.109 | 9.736 |
| 4296 | 31 | 8.665 | 9.776 |
| 4297 | 11 | 15.144 | 9.725 |
| 4298 | 29 | 15.764 | 9.190 |
| 4299* | 41 | 2.224 | 10.606 |
| 4300 | 34 | 5.794 | 10.838 |
| 4301 | 29 | 11.855 | 10.591 |
| 4302 | 24 | 16.380 | 10.272 |
| 4303* | 36 | 16.408 | 10.398 |
| 4304 | 30 | 20.535 | 10.529 |
| 4305 | 30 | 6.276 | 11.016 |
| 4306 | 8 | 12.470 | 11.572 |
| 4307 | 14 | 14.632 | 11.570 |
| 4308 | 15 | 24.978 | 11.829 |
| 4309 | 11 | 0.473 | 12.104 |
| 4310 | 34 | 0.481 | 12.574 |
| 4311 | 26 | 7.534 | 12.764 |
| 4312 | 30 | 7.809 | 12.766 |
| 4313 | 8 | 13.620 | 12.114 |
| 4314 | 17 | 15.220 | 12.478 |
| 4315 | 19 | 15.562 | 12.802 |
| 4316 | 11 | 17.102 | 12.144 |
| 4317 | 29 | 22.871 | 12.132 |
| 4318 | 31 | 0.135 | 13.396 |
| 4319 | 17 | 0.102 | 13.806 |
| 4320 | 15 | 1.642 | 13.288 |
| 4321 | 20 | 2.528 | 13.277 |
| 4322* | 37 | 4.527 | 13.528 |
| 4323 | 25 | 7.238 | 13.300 |
| 4324* | 42 | 12.109 | 13.550 |
| 4325 | 9 | 15.444 | 13.156 |
| 4326 | 12 | 20.642 | 13.064 |
| 4327 | 31 | 20.722 | 13.116 |
| 4328 | 19 | 21.332 | 13.370 |
| 4329* | 41 | 1.318 | 14.204 |
| 4330 | 20 | 3.680 | 14.672 |
| 4331 | 25 | 4.786 | 14.902 |
| 4332 | 30 | 6.320 | 14.249 |
| 4333* | 40 | 11.050 | 14.196 |
| 4334 | 12 | 11.118 | 14.010 |
| 4335 | 13 | 11.966 | 14.752 |
| 4336 | 15 | 15.284 | 14.143 |
| 4337 | 32 | 16.252 | 14.180 |
| 4338 | 30 | 16.555 | 14.535 |
| 4339 | 19 | 18.717 | 14.680 |
| 4340 | 30 | 3.029 | 15.290 |
| 4341 | 31 | 3.226 | 15.607 |
| 4342 | 10 | 6.818 | 15.218 |
| 4343* | 38 | 10.180 | 15.628 |
| 4344 | 10 | 14.908 | 15.102 |
| 4345 | 11 | 15.502 | 15.457 |
| 4346* | 39 | 22.716 | 15.410 |
| 4347 | 11 | 1.699 | 16.641 |
| 4348 | 20 | 3.666 | 16.814 |
| 4349 | 19 | 7.483 | 16.948 |
| 4350 | 8 | 10.876 | 16.882 |
| 4351 | 13 | 15.451 | 16.615 |
| 4352 | 10 | 17.828 | 16.574 |
| 4353 | 30 | 24.946 | 16.218 |
| 4354 | 14 | 2.854 | 17.600 |
| 4355 | 14 | 4.674 | 17.997 |
| 4356 | 12 | 5.714 | 17.087 |

| | | | | | | | | | | | | | | | | | | | |
|------|----|--------|--------|------|----|--------|--------|------|----|--------|--------|------|----|--------|--------|------|----|--------|--------|
| 5074 | 22 | 25-259 | 16-659 | 5146 | 30 | 10-180 | 24-950 | 5238 | 12 | 8-703 | 7-674 | 5310 | 26 | 23-286 | 14-756 | 5382 | 8 | 5-200 | 25-140 |
| 5075 | 21 | 0-176 | 17-900 | 5147 | 10 | 16-356 | 24-361 | 5239 | 22 | 9-041 | 7-424 | 5311 | 35 | 25-568 | 14-216 | 5383 | 50 | 12-037 | 25-349 |
| 5076 | 47 | 6-353 | 17-570 | 5148 | 13 | 19-190 | 24-704 | 5240 | 25 | 9-700 | 7-804 | 5312 | 15 | 5-086 | 18-810 | 5384 | 13 | 15-575 | 25-431 |
| 5077 | 30 | 0-360 | 17-582 | 5149 | 23 | 3-924 | 25-417 | 5241 | 22 | 11-530 | 7-096 | 5313 | 53 | 6-726 | 15-334 | 5385 | 32 | 18-959 | 25-446 |
| 5078 | 13 | 6-514 | 17-602 | 5150 | 11 | 4-835 | 25-002 | 5242 | 18 | 12-226 | 7-975 | 5314 | 26 | 14-350 | 15-524 | 5386 | 40 | 22-554 | 25-114 |
| 5079 | 14 | 14-927 | 17-510 | 5151 | 10 | 4-850 | 25-220 | 5243 | 35 | 13-350 | 7-505 | 5315 | 15 | 0-519 | 16-113 | 5387 | 10 | 24-042 | 25-714 |
| 5080 | 14 | 18-923 | 17-640 | 5152 | 30 | 0-268 | 25-415 | 5244 | 10 | 15-592 | 7-085 | 5316 | 16 | 1-836 | 16-544 | | | | |
| 5081 | 49 | 10-086 | 17-779 | 5153 | 10 | 10-112 | 25-320 | 5245 | 9 | 18-969 | 7-427 | 5317 | 29 | 2-420 | 16-770 | | | | |
| 5082 | 13 | 19-435 | 17-198 | 5154 | 40 | 12-838 | 25-070 | 5246 | 10 | 4-630 | 8-504 | 5318 | 23 | 3-244 | 16-782 | | | | |
| 5083 | 14 | 21-156 | 17-226 | 5155 | 27 | 16-300 | 25-166 | 5247 | 32 | 6-258 | 8-718 | 5319 | 10 | 4-064 | 16-712 | | | | |
| 5084 | 22 | 23-880 | 17-506 | 5156 | 21 | 20-720 | 25-760 | 5248 | 24 | 8-716 | 8-686 | 5320 | 25 | 6-560 | 16-470 | | | | |
| 5085 | 10 | 25-700 | 17-084 | | | | | 5249 | 21 | 10-083 | 8-118 | 5321 | 30 | 10-360 | 16-614 | | | | |
| 5086 | 23 | 3-014 | 18-096 | | | | | 5250 | 8 | 11-709 | 8-966 | 5322 | 11 | 10-480 | 16-060 | | | | |
| 5087 | 37 | 3-110 | 18-470 | | | | | 5251 | 18 | 12-976 | 8-700 | 5323 | 11 | 16-356 | 16-956 | | | | |
| 5088 | 15 | 5-926 | 18-855 | | | | | 5252 | 10 | 13-697 | 8-460 | 5324 | 36 | 16-534 | 16-908 | | | | |
| 5089 | 30 | 11-363 | 18-884 | | | | | 5253 | 10 | 17-114 | 8-398 | 5325 | 14 | 19-415 | 16-455 | | | | |
| 5090 | 20 | 15-910 | 18-066 | | | | | 5254 | 11 | 24-570 | 8-704 | 5326 | 23 | 1-876 | 17-644 | | | | |
| 5091 | 8 | 18-860 | 18-418 | | | | | 5255 | 22 | 10-584 | 9-672 | 5327 | 10 | 3-752 | 17-200 | | | | |
| 5092 | 10 | 19-185 | 18-438 | | | | | 5256 | 26 | 12-358 | 9-052 | 5328 | 22 | 7-944 | 17-838 | | | | |
| 5093 | 10 | 20-712 | 18-416 | | | | | 5257 | 52 | 13-340 | 9-230 | 5329 | 16 | 13-066 | 17-204 | | | | |
| 5094 | 14 | 1-888 | 18-000 | | | | | 5258 | 17 | 14-720 | 9-698 | 5330 | 11 | 14-399 | 17-604 | | | | |
| 5095 | 10 | 2-454 | 19-532 | | | | | 5259 | 26 | 17-873 | 9-594 | 5331 | 17 | 18-750 | 17-780 | | | | |
| 5096 | 41 | 3-822 | 19-250 | | | | | 5260 | 20 | 18-494 | 9-300 | 5332 | 40 | 18-848 | 17-438 | | | | |
| 5097 | 20 | 5-724 | 19-004 | | | | | 5261 | 49 | 25-579 | 9-537 | 5333 | 24 | 4-616 | 18-324 | | | | |
| 5098 | 28 | 6-710 | 19-550 | | | | | 5262 | 50 | 1-394 | 10-554 | 5334 | 16 | 6-914 | 18-395 | | | | |
| 5099 | 10 | 7-590 | 19-436 | | | | | 5263 | 53 | 6-155 | 10-082 | 5335 | 20 | 7-016 | 18-338 | | | | |
| 5100 | 20 | 8-914 | 19-055 | | | | | 5264 | 17 | 8-050 | 10-944 | 5336 | 17 | 7-164 | 18-598 | | | | |
| 5101 | 12 | 10-730 | 19-050 | | | | | 5265 | 17 | 12-184 | 10-259 | 5337 | 20 | 7-959 | 18-574 | | | | |
| 5102 | 12 | 11-221 | 19-707 | | | | | 5266 | 60 | 19-315 | 10-187 | 5338 | 28 | 21-242 | 18-519 | | | | |
| 5103 | 14 | 11-753 | 19-036 | | | | | 5267 | 8 | 19-685 | 10-442 | 5339 | 11 | 23-118 | 18-058 | | | | |
| 5104 | 27 | 13-830 | 19-811 | | | | | 5268 | 10 | 21-815 | 10-882 | 5340 | 15 | 25-783 | 18-732 | | | | |
| 5105 | 12 | 15-991 | 19-950 | | | | | 5269 | 42 | 22-022 | 10-375 | 5341 | 34 | 1-420 | 19-940 | | | | |
| 5106 | 10 | 17-595 | 19-496 | | | | | 5270 | 9 | 25-508 | 10-519 | 5342 | 32 | 2-194 | 19-584 | | | | |
| 5107 | 10 | 20-614 | 19-460 | | | | | 5271 | 27 | 0-546 | 11-100 | 5353 | 11 | 11-932 | 19-905 | | | | |
| 5108 | 11 | 20-776 | 19-739 | | | | | 5272 | 39 | 3-200 | 11-578 | 5344 | 20 | 12-896 | 19-432 | | | | |
| 5109 | 29 | 23-399 | 19-800 | | | | | 5273 | 9 | 5-440 | 11-952 | 5345 | 28 | 16-984 | 19-056 | | | | |
| 5110 | 33 | 24-174 | 19-450 | | | | | 5274 | 10 | 9-132 | 11-645 | 5346 | 30 | 17-624 | 19-388 | | | | |
| 5111 | 11 | 25-579 | 19-324 | | | | | 5275 | 25 | 9-487 | 11-806 | 5347 | 10 | 17-665 | 19-106 | | | | |
| 5112 | 8 | 4-786 | 20-324 | | | | | 5276 | 13 | 10-765 | 11-077 | 5348 | 10 | 19-908 | 19-826 | | | | |
| 5113 | 17 | 6-925 | 20-306 | | | | | 5277 | 10 | 24-726 | 11-324 | 5349 | 12 | 24-630 | 19-812 | | | | |
| 5114 | 22 | 14-594 | 20-724 | | | | | 5278 | 10 | 0-445 | 12-973 | 5350 | 49 | 25-233 | 19-400 | | | | |
| 5115 | 10 | 14-822 | 20-780 | | | | | 5279 | 10 | 2-124 | 12-678 | 5351 | 21 | 5-956 | 20-584 | | | | |
| 5116 | 41 | 19-280 | 20-340 | | | | | 5280 | 22 | 2-510 | 12-910 | 5352 | 22 | 6-914 | 20-866 | | | | |
| 5117 | 68 | 0-703 | 21-045 | | | | | 5281 | 9 | 3-912 | 12-056 | 5353 | 13 | 10-614 | 20-040 | | | | |
| 5118 | 22 | 9-644 | 21-024 | | | | | 5282 | 35 | 7-095 | 12-908 | 5354 | 29 | 11-108 | 20-318 | | | | |
| 5119 | 12 | 11-711 | 21-320 | | | | | 5283 | 34 | 8-088 | 12-567 | 5355 | 14 | 14-039 | 20-955 | | | | |
| 5120 | 25 | 12-832 | 21-634 | | | | | 5284 | 35 | 8-056 | 12-353 | 5356 | 16 | 17-916 | 20-060 | | | | |
| 5121 | 43 | 16-710 | 21-274 | | | | | 5285 | 23 | 9-502 | 12-174 | 5357 | 12 | 21-746 | 20-384 | | | | |
| 5122 | 17 | 19-822 | 21-786 | | | | | 5286 | 19 | 11-219 | 12-904 | 5358 | 52 | 22-160 | 20-114 | | | | |
| 5123 | 11 | 2-709 | 22-067 | | | | | 5287 | 43 | 13-338 | 12-442 | 5359 | 13 | 5-168 | 21-525 | | | | |
| 5124 | 14 | 5-061 | 22-378 | | | | | 5288 | 12 | 16-372 | 12-748 | 5360 | 21 | 5-490 | 21-908 | | | | |
| 5125 | 21 | 6-236 | 22-424 | | | | | 5289 | 29 | 20-517 | 12-625 | 5361 | 10 | 7-622 | 21-376 | | | | |
| 5126 | 16 | 6-550 | 22-505 | | | | | 5290 | 26 | 22-124 | 12-546 | 5362 | 26 | 13-858 | 21-832 | | | | |
| 5127 | 10 | 6-600 | 22-604 | | | | | 5291 | 14 | 22-334 | 12-176 | 5363 | 24 | 19-700 | 21-302 | | | | |
| 5128 | 9 | 9-354 | 22-320 | | | | | 5292 | 17 | 22-572 | 12-895 | 5364 | 8 | 15-794 | 21-615 | | | | |
| 5129 | 8 | 10-626 | 22-442 | | | | | 5293 | 27 | 0-955 | 13-418 | 5365 | 12 | 17-080 | 21-946 | | | | |
| 5130 | 16 | 16-752 | 22-646 | | | | | 5294 | 11 | 5-380 | 13-138 | 5366 | 20 | 17-492 | 21-905 | | | | |
| 5131 | 25 | 18-974 | 22-834 | | | | | 5295 | 42 | 9-300 | 13-009 | 5367 | 67 | 19-016 | 21-544 | | | | |
| 5132 | 17 | 20-174 | 22-049 | | | | | 5296 | 10 | 14-434 | 13-524 | 5368 | 20 | 23-468 | 21-470 | | | | |
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| 5135 | 17 | 1-706 | 23-710 | | | | | 5299 | 36 | 18-778 | 13-074 | 5371 | 39 | 16-949 | 22-838 | | | | |
| 5136 | 10 | 3-328 | 23-242 | | | | | 5300 | 11 | 24-068 | 13-952 | 5372 | 10 | 19-612 | 22-807 | | | | |
| 5137 | 23 | 13-976 | 23-590 | | | | | 5301 | 17 | 2-746 | 14-571 | 5373 | 36 | 8-650 | 23-119 | | | | |
| 5138 | 10 | 19-266 | 23-658 | | | | | 5302 | 9 | 6-480 | 14-828 | 5374 | 23 | 8-674 | 23-326 | | | | |
| 5139 | 14 | 20-506 | 23-126 | | | | | 5303 | 20 | 8-130 | 14-412 | 5375 | 12 | 9-066 | 23-035 | | | | |
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| 5142 | 22 | 3-195 | 24-182 | | | | | 5306 | 12 | 12-492 | 14-277 | 5378 | 12 | 25-056 | 23-976 | | | | |
| 5143 | 20 | 5-273 | 24-044 | | | | | 5307 | 30 | 15-208 | 14-274 | 5379 | 8 | 25-412 | 23-165 | | | | |
| 5144 | 11 | 5-480 | 24-802 | | | | | 5308 | 20 | 17-762 | 14-188 | 5380 | 34 | 4-364 | 25-458 | | | | |
| 5145 | 30 | 8-992 | 24-036 | | | | | 5309 | 22 | 21-266 | 14-950 | 5381 | 11 | 5-134 | 25-580 | | | | |

R.A. 3^h 32^m

Plate 875; 1916 Nov. 30.

Provisional Constants.

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5401 14 2-526 0-204

5402 8 7-672 0-182

5403 12 9-394 0-578

5404 41 16-783 0-489

5405 15 21-234 0-742

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5411 23 25-078 1-624

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5413 13 4-615 2-286

5414 8 5-

| | | | | | | | | | | | | | | | | | | | |
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| 5466 | 9 | 16-587 | 9-778 | 5538 | 8 | 13-096 | 16-600 | 5610 | 9 | 14-536 | 23-120 | 5678 | 30 | 13-778 | 4-304 | 5750 | 10 | 22-300 | 13-552 |
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| 5470 | 15 | 23-156 | 9-598 | 5542 | 12 | 3-437 | 17-186 | 5614 | 73 | 23-200 | 23-052 | 5682 | 30 | 21-256 | 4-668 | 5754 | 13 | 11-710 | 14-736 |
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| 5472 | 13 | 1-874 | 10-810 | 5544 | 30 | 4-973 | 17-084 | 5616 | 12 | 1-809 | 24-862 | 5684 | 48 | 25-864 | 4-070 | 5756 | 26 | 14-604 | 14-785 |
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| 5481 | 14 | 23-253 | 10-186 | 5553 | 12 | 0-786 | 18-806 | 5625 | 38 | 0-444 | 25-107 | 5693 | 9 | 25-384 | 5-497 | 5765 | 20 | 20-111 | 15-130 |
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| 5483 | 11 | 8-776 | 11-804 | 5555 | 10 | 0-966 | 18-164 | 5627 | 12 | 3-786 | 25-124 | 5695 | 8 | 15-445 | 6-338 | 5767 | 14 | 24-840 | 15-952 |
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| 5486 | 12 | 12-198 | 11-807 | 5558 | 8 | 6-347 | 18-793 | 5630 | 36 | 16-969 | 25-006 | 5698 | 13 | 6-664 | 7-470 | 5770 | 17 | 14-521 | 16-578 |
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| 5488 | 18 | 17-470 | 11-666 | 5560 | 12 | 12-846 | 18-593 | | | | | 5700 | 11 | 19-420 | 7-715 | 5772 | 18 | 6-646 | 16-022 |
| 5489 | 14 | 0-100 | 12-168 | 5561 | 8 | 14-034 | 18-028 | | | | | 5701 | 12 | 25-772 | 7-761 | 5773 | 28 | 11-280 | 16-748 |
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| 5495 | 12 | 17-486 | 12-528 | 5567 | 17 | 24-822 | 18-172 | | | | | 5707 | 15 | 19-795 | 8-883 | 5779 | 10 | 24-176 | 16-542 |
| 5496 | 9 | 18-701 | 12-600 | 5568 | 20 | 2-468 | 19-782 | | | | | 5708 | 33 | 23-203 | 8-130 | 5780 | 13 | 25-159 | 16-282 |
| 5497 | 11 | 19-996 | 12-654 | 5569 | 44 | 3-064 | 19-366 | | | | | 5709 | 13 | 0-096 | 9-884 | 5781 | 32 | 25-532 | 16-208 |
| 5498 | 8 | 21-752 | 12-130 | 5570 | 8 | 3-818 | 19-276 | | | | | 5710 | 34 | 2-886 | 9-297 | 5782 | 22 | 2-760 | 17-524 |
| 5499 | 10 | 23-374 | 12-312 | 5571 | 35 | 4-441 | 19-682 | | | | | 5711 | 24 | 4-108 | 9-828 | 5783 | 11 | 2-912 | 17-914 |
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| 5501 | 10 | 2-482 | 13-468 | 5573 | 21 | 16-062 | 19-801 | | | | | 5713 | 12 | 12-554 | 9-840 | 5785 | 10 | 12-850 | 17-501 |
| 5502 | 14 | 3-720 | 13-090 | 5574 | 9 | 17-780 | 19-980 | | | | | 5714 | 9 | 18-734 | 9-963 | 5786 | 45 | 14-111 | 17-775 |
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| 5505 | 8 | 7-036 | 13-154 | 5577 | 45 | 0-000 | 20-108 | | | | | 5717 | 13 | 1-096 | 10-174 | 5789 | 10 | 17-358 | 17-238 |
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| 5507 | 10 | 10-432 | 13-145 | 5579 | 16 | 12-336 | 20-476 | | | | | 5719 | 11 | 4-382 | 10-351 | 5791 | 41 | 20-181 | 17-012 |
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| 5509 | 11 | 14-083 | 13-464 | 5581 | 9 | 13-755 | 20-905 | | | | | 5721 | 28</ | | | | | | |

| | | | | | | | | | | | | | | | | |
|-------------------|----|--------|--------|--|-------------------|--------|--------|-------------------|-------------------|--------|--------|-------------------|-------------------|--------|--------|--------|
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| 5801 | 25 | 10-964 | 19-052 | | 5958 | 14 | 5-134 | 6-184 | 6030 | 36 | 24-041 | 12-495 | 6102 | 34 | 25-953 | 18-626 |
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| 5830 | 23 | 14-804 | 22-602 | 5987 | 30 | 19-894 | 8-437 | 6059 | 27 | 0-974 | 16-748 | 6131 | 20 | 3-666 | 22-556 | |
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| 5833 | 10 | 22-274 | 22-922 | 5990 | 19 | 3-622 | 9-085 | 6062 | 15 | 2-678 | 16-965 | 6134 | 9 | 20-530 | 22-954 | |
| 5834 _* | 68 | 1-174 | 23-338 | 5991 | 21 | 4-802 | 9-314 | 6063 _* | 33 | 2-742 | 16-932 | 6135 _* | 50 | 22-673 | 22-856 | |
| 5835 | 18 | 2-660 | 23-370 | 5992 | 40 | 7-420 | 9-244 | 6064 | 17 | 2-744 | 16-120 | 6136 | 11 | 24-524 | 22-626 | |
| 5836 _* | 86 | 4-385 | 23-180 | 5993 | 15 | 8-055 | 9-056 | 6065 | 16 | 9-143 | 16-621 | 6137 | 37 | 25-266 | 22-168 | |
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| 5838 | 22 | 10-092 | 23-382 | 5995 _* | 57 | 13-434 | 9-827 | 6067 | 18 | 9-714 | 16-782 | 6139 | 23 | 5-418 | 23-257 | |
| 5839 | 17 | 13-444 | 23-095 | 5996 | 24 | 14-005 | 9-574 | 6068 | 21 | 12-922 | 16-673 | 6140 | 13 | 5-799 | 23-436 | |
| 5840 | 29 | 13-450 | 23-934 | 5997 _* | 96 | 14-103 | 9-526 | 6069 | 26 | 14-526 | 16-214 | 6141 | 34 | 6-128 | 23-900 | |
| 5841 | 16 | 16-849 | 23-179 | 5998 | 10 | 17-454 | 9-565 | 6070 | 13 | 15-214 | 16-904 | 6142 | 18 | 8-124 | 23-749 | |
| 5842 | 37 | 19-163 | 23-682 | 5999 | 28 | 25-742 | 9-434 | 6071 | 20 | 15-593 | 16-634 | 6143 | 27 | 8-514 | 23-734 | |
| 5843 | 11 | 20-551 | 23-819 | 5998 _* | 56 | 3-454 | 3-912 | 6000 | 36 | 7-154 | 10-944 | 6072 | 18 | 19-246 | 16-856 | |
| 5844 | 37 | 21-159 | 23-234 | 5999 | 15 | 7-066 | 3-677 | 6001 | 17 | 10-187 | 10-288 | 6073 | 18 | 20-784 | 16-534 | |
| 5845 | 21 | 22-166 | 23-146 | 5930 | 13 | 11-046 | 3-218 | 6002 | 37 | 11-528 | 10-786 | 6074 | 23 | 21-716 | 16-510 | |
| 5846 | 30 | 22-503 | 23-066 | 5931 | 19 | 12-171 | 3-366 | 6003 | 27 | 15-323 | 10-447 | 6075 | 32 | 21-962 | 16-961 | |
| 5847 _* | 46 | 22-798 | 23-888 | 5932 | 27 | 15-366 | 3-021 | 6004 | 18 | 17-186 | 10-984 | 6076 | 34 | 8-168 | 17-595 | |
| 5848 | 31 | 5-554 | 24-688 | 5933 | 16 | 15-976 | 3-415 | 6005 | 20 | 17-814 | 10-706 | 6077 | 8 | 9-416 | 17-122 | |
| 5849 | 15 | 6-529 | 24-910 | 5934 | 23 | 18-400 | 3-996 | 6006 | 13 | 19-214 | 10-008 | 6078 | 18 | 10-562 | 17-974 | |
| 5850 | 13 | 7-654 | 24-250 | 5935 | 15 | 18-660 | 3-453 | 6007 | 26 | 19-879 | 10-025 | 6079 | 12 | 14-880 | 17-550 | |
| 5851 | 39 | 9-074 | 24-508 | 5936 | 10 | 18-812 | 3-711 | 6008 | 24 | 22-807 | 10-852 | 6080 | 13 | 15-801 | 17-052 | |
| 5852 | 14 | 13-368 | 24-060 | 5937 | 24 | 19-652 | 3-424 | 6009 | 19 | 23-688 | 10-634 | 6081 | 32 | 16-954 | 17-106 | |
| 5853 | 14 | 16-010 | 24-396 | 5938 | 10 | 19-942 | 3-923 | 6010 | 52 | 24-781 | 10-844 | 6082 | 19 | 19-374 | 17-077 | |
| 5854 | 11 | 17-514 | 24-837 | 5939 | 38 | 22-364 | 3-986 | 6011 | 34 | 10-005 | 11-598 | 6083 | 15 | 19-754 | 17-784 | |
| 5855 | 31 | 17-558 | 24-448 | 5940 _* | 58 | 2-941 | 4-252 | 6012 _* | 50 | 11-154 | 11-214 | 6084 | 14 | 19-850 | 17-130 | |
| 5856 | 11 | 22-300 | 24-204 | 5941 | 15 | 9-234 | 4-835 | 6013 | 13 | 11-260 | 11-224 | 6085 | 24 | 22-472 | 17-038 | |
| 5857 | 10 | 22-565 | 24-822 | 5942 | 22 | 9-361 | 4-876 | 6014 | 27 | 15-077 | 11-210 | 6086 | 16 | 2-756 | 18-663 | |
| 5858 | 11 | 7-745 | 25-996 | 5943 | 36 | 12-026 | 4-304 | 6015 | 11 | 20-153 | 11-051 | 6087 | 16 | 2-995 | 18-508 | |
| 5859 | 14 | 8-393 | 25-019 | 5944 | 18 | 13-564 | 4-084 | 6016 | 16 | 21-935 | 11-514 | 6088 | 11 | 4-668 | 18-638 | |
| 5860 | 15 | 9-662 | 25-515 | 5945 | 13 | 18-624 | 4-802 | 6017 | 15 | 22-774 | 11-324 | 6089 | 19 | 4-744 | 18-706 | |
| 5861 | 24 | 11-064 | 25-895 | 5946 | 13 | 20-172 | 4-316 | 6018 | 17 | 8-776 | 12-206 | 6090 | 10 | 5-945 | 18-502 | |
| 5862 | 20 | 11-960 | 25-908 | 5947 | 30 | 20-774 | 4-816 | 6019 | 22 | 12-538 | 12-580 | 6091 | 33 | 8-794 | 18-444 | |
| 5863 | 10 | 13-842 | 25-786 | 5948 _* | 36 | 3-482 | 5-144 | 6020 | 15 | | | | | | | |

R.A. 3^h 56^m

Plate 854; 1916 Nov. 27.

Provisional Constants.

A

B

C

-02563 +00421 +1183

D

E

F

-00427 -02574 -1760

Mag. = 16.8 - 1.09 √ d

No.

d

x

y

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0.290

6202

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0.884

6203*

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0.990

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6236*

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6431

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| 6526 | 34 | 25-140 | 6-564 | 6598 | 12 | 15-174 | 12-030 | 6670 | 24 | 11-354 | 18-177 | 6742 | 46 | 20-913 | 24-903 | 6839 | 18 | 19-289 | 2-106 |
| 6527 | 13 | 1-051 | 7-126 | 6599* | 77 | 17-170 | 12-106 | 6671 | 11 | 12-838 | 18-009 | 6743 | 9 | 1-003 | 25-426 | 6840 | 21 | 19-756 | 2-270 |
| 6528 | 46 | 1-661 | 7-535 | 6600 | 40 | 21-534 | 12-038 | 6672 | 25 | 13-662 | 18-079 | 6744 | 12 | 7-184 | 25-456 | 6841 | 32 | 4-163 | 3-210 |
| 6529 | 10 | 3-133 | 7-712 | 6601 | 13 | 21-856 | 12-523 | 6673* | 50 | 14-210 | 18-928 | 6745 | 39 | 8-768 | 25-663 | 6842 | 26 | 8-386 | 3-419 |
| 6530 | 23 | 6-012 | 7-102 | 6602 | 26 | 22-408 | 12-584 | 6674 | 14 | 16-003 | 18-680 | 6746 | 11 | 9-087 | 25-077 | 6843 | 26 | 8-794 | 3-132 |
| 6531 | 10 | 8-311 | 7-732 | 6603 | 13 | 23-831 | 12-798 | 6675* | 82 | 16-800 | 18-940 | 6747 | 14 | 11-259 | 25-416 | 6844 | 12 | 9-564 | 3-402 |
| 6532 | 14 | 9-268 | 7-041 | 6604 | 11 | 24-562 | 12-536 | 6676 | 10 | 17-874 | 18-811 | 6748 | 13 | 12-542 | 25-662 | 6845 | 11 | 10-004 | 3-331 |
| 6533 | 13 | 9-533 | 7-015 | 6605 | 11 | 25-264 | 12-186 | 6677 | 14 | 18-590 | 18-736 | 6749 | 27 | 17-364 | 25-924 | 6846 | 27 | 15-426 | 3-701 |
| 6534 | 11 | 10-350 | 7-490 | 6606 | 23 | 1-662 | 13-370 | 6678 | 15 | 21-189 | 18-131 | 6750 | 11 | 21-730 | 25-428 | 6847 | 26 | 21-726 | 3-333 |
| 6535 | 20 | 10-743 | 7-456 | 6607 | 10 | 1-820 | 13-002 | 6679 | 28 | 24-342 | 18-394 | 6751 | 73 | 25-454 | 25-552 | 6848* | 38 | 0-640 | 4-513 |
| 6536 | 24 | 11-777 | 7-090 | 6608 | 37 | 3-248 | 13-871 | 6680 | 10 | 1-351 | 19-539 | | | | | 6849 | 40 | 1-760 | 4-602 |
| 6537 | 9 | 15-335 | 7-113 | 6609 | 16 | 4-646 | 13-436 | 6681 | 37 | 6-332 | 19-094 | | | | | 6850 | 8 | 3-058 | 4-576 |
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| 6554 | 14 | 3-424 | 9-547 | 6626 | 11 | 23-110 | 14-908 | 6698 | 11 | 15-228 | 20-642 | | | | | 6867 | 15 | 14-225 | 5-595 |
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| 6557 | 12 | 7-810 | 9-746 | 6629* | 50 | 7-684 | 15-907 | 6701 | 12 | 20-470 | 20-636 | | | | | 6870 | 9 | 1-996 | 6-422 |
| 6558 | 11 | 8-911 | 9-156 | 6630 | 21 | 7-965 | 15-128 | 6702 | 10 | 22-081 | 20-450 | | | | | 6871 | 26 | 2-674 | 6-882 |
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16

20-314

24-576

7338

10

24-019

15-242

7410

12

15-590

20-202

7482

16

20-314

24-576

R.A. 4^h 28^m

Plate 900; 1916 Feb. 15.

Provisional Constants.

A B C
-02578 + -00061 + -1610

D E F
-00043 -02589 -1885

Mag. = 16.7 - 1.09 \sqrt{d}

No.

d

x

y

7501

17

2-382

0-904

7502

51

6-685

0-876

7503

19

11-596

0-321

7504

10

12-636

0-164

7505

48

12-800

0-242

7506

9

18-200

0-890

7507

42

19-250

0-010

7508

71

0-336

1-572

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17-470

1-640

7511

27

22-922

1-814

7512

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1-846

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2-315

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2-541

7516

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2-482

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46

8-730

2-791

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2-846

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21

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7-056

7-420

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7-005

7557

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47

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7559*

56

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22-931

11-686

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| 7628 | 22 | 15-884 | 14-800 | 7700 | 15 | 12-329 | 21-590 | 7756 | 11 | 23-644 | 0-235 | 7828 | 12 | 4-451 | 9-504 | 7900 | 14 | 10-606 | 15-720 |
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| 7632 | 12 | 2-685 | 15-114 | 7704 | 12 | 4-238 | 22-829 | 7760 | 18 | 10-005 | 1-188 | 7832 | 20 | 22-194 | 9-420 | 7904 | 36 | 2-546 | 16-502 |
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| 7634 | 18 | 5-783 | 15-644 | 7706 | 27 | 7-896 | 22-944 | 7762 | 17 | 6-705 | 2-851 | 7834 | 17 | 24-530 | 9-516 | 7906 | 30 | 0-932 | 16-374 |
| 7635 | 12 | 6-860 | 15-440 | 7707 | 14 | 8-992 | 22-036 | 7763 | 23 | 7-642 | 2-384 | 7835 | 19 | 25-206 | 9-690 | 7907 | 10 | 10-656 | 16-458 |
| 7636 | 19 | 7-190 | 15-751 | 7708 | 42 | 11-750 | 22-584 | 7764 | 21 | 11-631 | 2-984 | 7836 | 13 | 3-106 | 10-808 | 7908 | 14 | 12-916 | 16-283 |
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| 7641 | 11 | 19-554 | 15-277 | 7713 | 13 | 22-940 | 22-473 | 7769 | 16 | 24-136 | 2-968 | 7841 | 12 | 8-772 | 10-355 | 7913 | 13 | 24-286 | 16-776 |
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| 7646 | 12 | 19-284 | 16-220 | 7718 | 18 | 8-422 | 23-750 | 7774 | 14 | 13-131 | 3-019 | 7846 | 30 | 22-586 | 10-046 | 7918 | 14 | 17-635 | 17-235 |
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| 7649 | 12 | 22-050 | 16-524 | 7721 | 62 | 15-571 | 23-851 | 7777 | 12 | 2-596 | 4-956 | 7849 | 40 | 0-777 | 11-007 | 7921 | 12 | 21-568 | 17-048 |
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| 7651 | 10 | 25-520 | 16-140 | 7723 | 50 | 16-008 | 23-525 | 7779 | 19 | 9-956 | 4-156 | 7851 | 14 | 4-226 | 11-606 | 7923 | 36 | 1-586 | 18-096 |
| 7652 | 17 | 8-099 | 17-692 | 7724 | 31 | 18-912 | 23-706 | 7780 | 46 | 11-214 | 4-245 | 7852 | 8 | 5-114 | 11-665 | 7924 | 36 | 2-157 | 18-354 |
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| 7655 | 40 | 19-146 | 17-287 | 7727 | 9 | 4-597 | 24-040 | 7783 | 11 | 21-292 | 4-557 | 7855 | 18 | 10-094 | 11-422 | 7927 | 22 | 2-950 | 18-610 |
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| 7658 | 20 | 2-453 | 18-038 | 7730 | 9 | 18-266 | 24-872 | 7786 | 30 | 2-664 | 5-804 | 7858 | 25 | 17-563 | 11-905 | 7930 | 11 | 10-112 | 18-106 |
| 7659 | 12 | 3-604 | 18-820 | 7731 | 14 | 22-728 | 24-800 | 7787 | 10 | 7-725 | 5-614 | 7859 | 12 | 18-048 | 11-371 | 7931 | 11 | 17-114 | 18-586 |
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| 7663 | 15 | 15-130 | 18-556 | 7735 | 13 | 6-915 | 25-732 | 7791 | 16 | 10-794 | 5-111 | 7863 | 16 | 0-158 | 12-230 | 7935 | 9 | 24-024 | 18-324 |
| 7664 | 10 | 16-354 | 18-24 | 7736 | 12 | 11-634 | 25-228 | 7792 | 9 | 11-394 | 5-264 | 7864 | 18 | 3-632 | 12-766 | 7936 | 15 | 4-758 | 19-388 |
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| 7667 | 10 | 22-830 | 18-046 | 7739 | 18 | 12-948 | 25-555 | 7795 | 11 | 20-101 | 5-122 | 7867 | 14 | 11-446 | 12-194 | 7939 | 40 | 15-560 | 19-834 |
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| 7670 | 19 | 24-579 | 18-874 | 7742 | 113 | 20-076 | 25-712 | 7798 | 56 | 5-350 | 6-912 | 7870 | 17 | 18-769 | 12-844 | 7942 | 37 | 23-608 | 19-722 |
| 7671 | 22 | 24-860 | 18-268 | | | | | 7799 | 12 | 7-926 | 6-076 | 7871 | 26 | 18-900 | 12-626 | 7943 | 23 | 24-231 | 19-708 |
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| 7673 | 2 | 25-544 | 18-946 | | | | | 7801 | 21 | 11-705 | 6-922 | 7873 | 39 | 23-694 | 12-356 | 7945 | 26 | 6-421 | 20-745 |
| 7674 | 19 | 5-220 | 19-181 | | | | | 7802 | 36 | 12-064 | 6-385 | 7874 | 52 | 23-950 | 12-420 | 7946 | 11 | 6-738 | 20-066 |
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| 7676 | 12 | 14-648 | 19-714 | | | | | 7804 | 16 | 21-794 | 6-474 | 7876 | 13 | 25-914 | 12-200 | 7948 | 28 | 8-883 | 20-502 |
| 7677 | 68 | 14-868 | 19-150 | | | | | 7805 | 9 | 24-836 | 6-412 | 7877 | 15 | 2-291 | 13-219 | 7949 | 14 | 9-016 | 20-724 |
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| 7679 | 12 | 16-320 | 19-152 | | | | | 7807 | 46 | 2-475 | 7-427 | 7879 | 38 | 8-684 | 13-382 | 7951 | 23 | 11-394 | 20-588 |
| 7680 | 10 | 17-065 | 19-604 | | | | | 7808 | 14 | 4-512 | 7-318 | 7880 | 15 | 11-246 | 13-166 | 7952 | 36 | 11-974 | 20-095 |
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| 7682 | 32 | 21-906 | 19-562 | | | | | 7810 | 18 | 10-655 | 7-572 | 7882 | 10 | 20-413 | 13-626 | 7954 | 22 | 17-559 | 20-108 |
| 7683 | 13 | 1-090 | 20-116 | | | | | 7811 | 20 | 12-534 | 7-115 | 7883 | 52 | 24-258 | 13-348 | 7955 | 34 | 22-910 | 20-679 |
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| 7685 | 42 | 3-082 | 20-810 | | | | | 7813 | 18 | 18-926 | 7-534 | 7885 | 17 | 25-256 | 13-149 | 7957 | 13 | 6-716 | 21-063 |
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| 7687 | 21 | 4-703 | 20-302 | | | | | 7815 | 16 | 0-646 | 8-264 | 7887 | 14 | 2-412 | 14-174 | 7959 | 27 | 9-962 | 21-225 |
| 7688 | 13 | 8-707 | 20-073 | | | | | 7816 | 17 | 6-900 | 8-709 | 7888 | 17 | 5-093 | 14-792 | 7960 | 11 | 12-350 | 21-482 |
| 7689 | 21 | 9-186 | 20-340 | | | | | 7817 | 9 | 8-208 | 8-892 | 7889 | 21 | 6-863 | 14-883 | 7961 | 22 | 18-140 | 21-938 |
| 7690 | 49 | 9-589 | 20-558 | | | | | 7818 | 11 | 11-880 | 8-705 | 7890 | 36 | 8-642 | 14-546 | 7962 | 16 | 0-926 | 22-392 |
| 7691 | 12 | 10-212 | 20-506 | | | | | 7819 | 21 | 14-952 | 8-532 | 7891 | 28 | 9-199 | 14-110 | 7963 | 34 | 2-781 | 22-370 |
| 7692 | 11 | 17-407 | 20-468 | | | | | 7820 | 15 | 14-978 | 8-656 | 7892 | 14 | 11-634 | 14-134 | 7964 | 74 | 7-045 | 22-213 |
| 7693 | 12 | 17-739 | 20-214 | | | | | 7821 | 9 | 18-608 | 8-722 | 7893 | 10 | 11-885 | 14-181 | 7965 | 36 | 8-806 | 22-035 |
| 7694 | 2 | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|---------|----|--------|-------|-------|-----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
| 7972 | 18 | 4-034 | 23-184 | 8021 | 21 | 19-886 | 1-044 | 8093 | 43 | 14-828 | 7-228 | 8165 | 20 | 12-413 | 12-820 | 8237 | 9 | 16-910 | 16-968 |
| 7973* | 42 | 4-844 | 23-331 | 8022 | 44 | 20-398 | 1-036 | 8094 | 11 | 15-067 | 7-254 | 8166 | 20 | 12-705 | 12-436 | 8238 | 22 | 18-224 | 16-457 |
| 7974 | 40 | 7-460 | 23-369 | 8023 | 17 | 23-338 | 1-944 | 8095 | 27 | 19-606 | 7-692 | 8167 | 11 | 13-600 | 12-856 | 8239 | 11 | 19-035 | 16-400 |
| 7975* | 46 | 9-192 | 23-208 | 8024 | 20 | 4-468 | 2-296 | 8096 | 9 | 22-101 | 7-014 | 8168 | 34 | 15-064 | 12-933 | 8240 | 16 | 23-514 | 16-830 |
| 7976 | 38 | 9-692 | 23-354 | 8025 | 27 | 6-114 | 2-057 | 8097 | 13 | 24-237 | 7-158 | 8169 | 10 | 17-969 | 12-948 | 8241 | 33 | 23-560 | 16-697 |
| 7977 | 23 | 13-110 | 23-617 | 8026 | 47 | 6-875 | 2-642 | 8098 | 16 | 24-978 | 7-896 | 8170 | 11 | 18-454 | 12-116 | 8242 | 44 | 24-015 | 16-580 |
| 7978* | 36 | 14-090 | 23-063 | 8027 | 41 | 7-792 | 2-417 | 8099 | 16 | 0-586 | 8-566 | 8171 | 28 | 21-190 | 12-202 | 8243 | 24 | 3-643 | 17-172 |
| 7979 | 12 | 17-984 | 23-631 | 8028 | 25 | 10-275 | 2-653 | 8100 | 12 | 2-082 | 8-638 | 8172 | 14 | 22-234 | 12-537 | 8244 | 15 | 3-735 | 17-175 |
| 7980 | 30 | 19-484 | 23-735 | 8029 | 39 | 13-498 | 2-024 | 8101 | 12 | 8-636 | 8-131 | 8173 | 36 | 22-385 | 12-053 | 8245 | 13 | 6-350 | 17-122 |
| 7981* | 50 | 19-802 | 23-803 | 8030 | 12 | 15-298 | 2-886 | 8102 | 20 | 10-030 | 8-384 | 8174 | 10 | 23-772 | 12-139 | 8246 | 14 | 7-143 | 17-736 |
| 7982 | 18 | 0-744 | 24-724 | 8031 | 13 | 19-460 | 2-168 | 8103 | 13 | 10-232 | 8-328 | 8175 | 12 | 24-544 | 12-380 | 8247 | 10 | 8-261 | 17-606 |
| 7983 | 14 | 1-202 | 24-224 | 8032 | 11 | 19-976 | 2-872 | 8104 | 11 | 15-500 | 8-190 | 8176 | 16 | 24-850 | 12-324 | 8248 | 15 | 9-205 | 17-284 |
| 7984 | 10 | 1-624 | 24-126 | 8033 | 19 | 21-304 | 2-549 | 8105 | 32 | 15-850 | 8-084 | 8177 | 46 | 25-650 | 12-238 | 8249 | 39 | 10-850 | 17-684 |
| 7985 | 23 | 1-810 | 24-216 | 8034 | 44 | 23-050 | 2-293 | 8106 | 12 | 16-134 | 8-756 | 8178 | 10 | 2-126 | 13-338 | 8250 | 29 | 13-206 | 17-236 |
| 7986 | 18 | 8-764 | 24-741 | 8035 | 9 | 23-230 | 3-374 | 8107 | 10 | 19-754 | 8-531 | 8179* | 68 | 2-204 | 13-448 | 8251 | 25 | 14-958 | 17-840 |
| 7987 | 33 | 10-899 | 24-464 | 8036 | 33 | 24-224 | 2-298 | 8108* | 45 | 20-110 | 8-845 | 8180 | 18 | 2-870 | 13-278 | 8252 | 18 | 18-308 | 17-594 |
| 7988 | 30 | 11-531 | 24-878 | 8037 | 22 | 24-668 | 2-727 | 8109 | 35 | 20-931 | 8-906 | 8181 | 20 | 3-206 | 13-235 | 8253 | 16 | 18-584 | 17-427 |
| 7989 | 28 | 12-895 | 24-030 | 8038 | 12 | 25-758 | 2-389 | 8110 | 11 | 21-780 | 8-341 | 8182 | 11 | 3-401 | 13-318 | 8254 | 12 | 18-700 | 17-831 |
| 7990 | 37 | 15-176 | 24-664 | 8039 | 11 | 0-708 | 3-295 | 8111 | 22 | 0-095 | 9-544 | 8183 | 18 | 4-093 | 13-522 | 8255 | 14 | 20-740 | 17-744 |
| 7991 | 31 | 22-034 | 24-605 | 8040 | 17 | 1-062 | 3-070 | 8112 | 11 | 1-651 | 9-560 | 8184 | 9 | 6-380 | 13-724 | 8256 | 13 | 21-162 | 17-947 |
| 7992 | 16 | 23-712 | 24-750 | 8041 | 20 | 6-868 | 3-902 | 8113 | 24 | 2-233 | 9-616 | 8185 | 10 | 7-545 | 13-509 | 8257 | 38 | 21-840 | 17-949 |
| 7993 | 32 | 4-072 | 25-024 | 8042 | 13 | 7-223 | 3-683 | 8114 | 25 | 3-112 | 9-778 | 8186 | 13 | 7-841 | 13-200 | 8258 | 17 | 22-672 | 17-450 |
| 7994 | 30 | 6-824 | 25-590 | 8043 | 9 | 9-078 | 3-205 | 8115 | 36 | 4-287 | 9-096 | 8187 | 10 | 9-610 | 13-598 | 8259 | 32 | 25-358 | 17-506 |
| 7995 | 10 | 7-278 | 25-216 | 8044 | 17 | 9-945 | 3-090 | 8116 | 12 | 5-707 | 9-343 | 8188 | 11 | 10-282 | 13-226 | 8260 | 15 | 0-524 | 18-250 |
| 7996 | 17 | 8-994 | 25-632 | 8045 | 13 | 18-888 | 3-014 | 8117 | 40 | 8-274 | 9-345 | 8189 | 11 | 11-730 | 13-170 | 8261 | 9 | 2-100 | 18-604 |
| 7997 | 16 | 10-359 | 25-025 | 8046 | 23 | 19-662 | 3-877 | 8118 | 23 | 10-864 | 9-907 | 8190 | 8 | 14-660 | 13-410 | 8262 | 40 | 2-510 | 18-765 |
| 7998 | 48 | 11-258 | 25-123 | 8047 | 11 | 20-342 | 3-405 | 8119 | 11 | 17-038 | 9-356 | 8191 | 18 | 15-796 | 13-192 | 8263 | 17 | 2-634 | 18-415 |
| 7999 | 20 | 18-782 | 25-055 | 8048 | 15 | 23-558 | 3-538 | 8120 | 40 | 17-888 | 9-500 | 8192 | 39 | 18-021 | 13-234 | 8264 | 26 | 4-981 | 18-878 |
| | | | | 8049 | 63 | 25-586 | 3-903 | 8121 | 11 | 18-892 | 9-427 | 8193* | 74 | 19-360 | 13-260 | 8265 | 9 | 5-072 | 18-927 |
| | | | | 8050 | 15 | 1-896 | 0-066 | 8122 | 40 | 21-800 | 9-290 | 8194 | 29 | 21-845 | 13-394 | 8266 | 13 | 11-356 | 18-191 |
| | | | | 8051* | 53 | 3-706 | 4-842 | 8123 | 14 | 22-400 | 9-729 | 8195 | 21 | 24-290 | 13-437 | 8267 | 18 | 12-287 | 18-665 |
| | | | | 8052 | 12 | 5-597 | 4-518 | 8124 | 9 | 23-492 | 9-132 | 8196 | 15 | 1-035 | 14-804 | 8268 | 14 | 12-730 | 18-742 |
| | | | | 8053 | 24 | 11-980 | 4-736 | 8125 | 36 | 0-494 | 10-166 | 8197 | 23 | 3-096 | 14-230 | 8269 | 13 | 13-859 | 18-115 |
| | | | | 8054 | 32 | 12-505 | 4-865 | 8126* | 130 | 1-024 | 10-771 | 8198 | 13 | 3-313 | 14-604 | 8270 | 8 | 18-410 | 18-445 |
| | | | | 8055 | 16 | 14-544 | 4-584 | 8127 | 10 | 2-264 | 10-534 | 8199 | 10 | 4-508 | 14-128 | 8271 | 9 | 20-616 | 18-897 |
| | | | | 8056 | 9 | 17-316 | 4-884 | 8128 | 19 | 4-910 | 10-700 | 8200 | 17 | 5-360 | 14-183 | 8272 | 27 | 20-930 | 18-126 |
| | | | | 8057 | 11 | 19-946 | 4-130 | 8129 | 39 | 4-963 | 10-948 | 8201 | 11 | 5-959 | 14-338 | 8273 | 40 | 22-346 | 18-488 |
| | | | | 8058 | 9 | 20-711 | 4-580 | 8130 | 11 | 5-316 | 10-441 | 8202 | 13 | 6-370 | 14-414 | 8274 | 10 | 25-120 | 18-586 |
| | | | | 8059 | 11 | 23-642 | 4-661 | 8131 | 12 | 6-866 | 10-421 | 8203 | 13 | 7-339 | 14-079 | 8275 | 23 | 0-455 | 19-734 |
| | | | | 8060 | 19 | 23-884 | 4-528 | 8132 | 11 | 7-510 | 10-819 | 8204 | 19 | 7-626 | 14-626 | 8276 | 43 | 1-624 | 19-826 |
| | | | | 8061 | 31 | 24-204 | 4-881 | 8133 | 30 | 8-860 | 10-318 | 8205 | 41 | 13-330 | 14-700 | 8277 | 30 | 2-258 | 19-866 |
| | | | | 8062 | 26 | 24-974 | 4-352 | 8134 | 11 | 9-470 | 10-329 | 8206 | 12 | 18-438 | 14-015 | 8278 | 12 | 3-036 | 19-257 |
| | | | | 8063 | 29 | 4-536 | 5-962 | 8135 | 38 | 9-508 | 10-169 | 8207 | 12 | 18-144 | 14-805 | 8279 | 38 | 5-070 | 19-500 |
| | | | | 8064* | 39 | 7-984 | 5-740 | 8136 | 20 | 11-380 | 10-904 | 8208 | 33 | 18-535 | 14-114 | 8280 | 9 | 7-894 | 19-240 |
| | | | | 8065* | 60 | 12-540 | 5-800 | 8137 | 11 | 11-941 | 10-092 | 8209 | 16 | 22-826 | 14-014 | 8281 | 20 | 8-400 | 19-564 |
| | | | | 8066 | 18 | 18-272 | 5-668 | 8138 | 21 | 13-128 | 10-762 | 8210 | 11 | 25-680 | 14-104 | 8282 | 23 | 9-720 | 19-923 |
| | | | | 8067 | 12 | 18-306 | 5-486 | 8139 | 27 | 15-399 | 10-240 | 8211 | 12 | 1-506 | 15-196 | 8283 | 9 | 11-299 | 19-066 |
| | | | | 8068 | 21 | 22-126 | 5-690 | 8140 | 18 | 16-386 | 10-044 | 8212 | 9 | 4-708 | 15-200 | 8284 | 11 | 11-493 | 19-360 |
| | | | | 8069 | 15 | 2-700 | 6-504 | 8141 | 23 | 16-667 | 10-940 | 8213 | 10 | 5-492 | 15-600 | 8285 | 14 | 15-985 | 19-809 |
| | | | | 8070 | 46 | 3-060 | 6-327 | 8142 | 27 | 19-412 | 10-890 | 8214 | 11 | 5-546 | 15-399 | 8286 | 33 | 16-500 | 19-111 |
| | | | | 8071 | 10 | 7-842 | 6-031 | 8143 | 26 | 21-822 | 10-736 | 8215 | 10 | 8-264 | 15-529 | 8287 | 13 | 19-663 | 19-618 |
| | | | | 8072 | 24 | 9-900 | 6-580 | 8144* | 44 | 24-378 | 10-606 | 8216 | 29 | 8-491 | 15-017 | 8288 | 17 | 19-920 | 19-108 |
| | | | | 8073 | 38 | 10-276 | 6-884 | 8145 | 15 | 1-800 | 11-462 | 8217 | 13 | 9-583 | 15-400 | 8289 | 15 | 20-466 | 19-786 |
| | | | | 8074 | 22 | 10-960 | 6-377 | 8146 | 16 | 1-918 | 11-700 | 8218 | 14 | 13-711 | 15-258 | 8290 | 20 | 22-410 | 19-958 |
| | | | | 8075 | 39 | 15-233 | 6-070 | 8147 | 20 | 2-218 | 11-960 | 8219 | 27 | 16-360 | 15-956 | 8291* | 50 | 23-326 | 19-057 |
| | | | | 8076 | 12 | 16-312 | 6-264 | 8148 | 30 | 5-130 | 11-260 | 8220 | 12 | 18-762 | 15-403 | 8292 | 45 | 23-365 | 19-593 |
| | | | | 8077 | 11 | 18-368 | 6-136 | 8149 | 10 | 5-373 | 11-510 | 8221 | 62 | 18-772 | 15-120 | 8293 | 19 | 24-394 | 19-061 |
| | | | | 8078 | 14 | 18-465 | 6-560 | 8150 | 28 | 13-336 | 11-272 | 8222 | 14 | 19-097 | 15-406 | 8294 | 39 | 0-944 | 20-792 |
| | | | | 8079* | 51 | 20-809 | 6-752 | 8151 | 18 | 13-780 | 11-679 | 8223 | 24 | 20-250 | 15-056 | 8295 | 45 | 1-814 | 20-244 |
| | | | | 8080 | 24 | 21-660 | 6-716 | 8152 | 12 | 14-137 | 11-488 | 8224 | 14 | 22-627 | 15-909 | 8296 | 16 | 3-930 | 20-800 |
| | | | | 8081 | 23 | 23-789 | 6-434 | 8153 | 11 | 18-222 | 11-624 | 8225 | 36 | 22-664 | 15-362 | 8297 | 30 | 7-085 | 20-555 |
| | | | | 8082 | 20 | 23-836 | 6-556 | 8154 | 13 | 18-355 | 11-994 | 8226 | 21 | 23-046 | 15-508 | 8298 | 8 | 13-306 | 20-852 |
| | | | | 8083 | 16 | 1-076 | 7-244 | 8155 | 40 | 21-454 | 11-178 | 8227 | 33 | 23-348 | 15-662 | 8299 | 16 | 16-772 | 20-182 |
| | | | | 8084 | 14 | 5-900 | 7-226 | 8156 | 37 | 24-094 | 11-243 | 8228 | 17 | 2-277 | 16-874 | 8300 | 22 | 19-544 | 20-376 |
| | | | | 8085 | 22 | 5-915 | 7-332 | 8157 | 22 | 24-512 | 11-176 | 8229 | 11 | 6-320 | 16-095 | 8301 | 14 | 19-851 | 20-068 |
| | | | | 8086 | 10 | 5-922 | 7-994 | 8158 | 9 | 24-671 | 11-432 | 8230 | 39 | 6-830 | 16-208 | 8302 | 16 | 22-674 | 20-958 |
| | | | | 8087 | 22 | 7-541 | 7-894 | 8159* | 52 | 1-026 | 12-464 | 8231 | 21 | 8-781 | 16-793 | 8303 | 10 | 22-694 | 20-210 |
| | | | | 8088 | 10 | 8-350 | 7-562 | 8160* | 60 | 1-884 | 12-526 | 8232 | 11 | 9-068 | 16-997 | 8304 | 23 | 22-802 | 20-910 |
| | | | | 8089*</ | | | | | | | | | | | | | | | |

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|------|----|--------|--------|---|------|--------|--------|-------|------|--------|--------|-------|------|--------|--------|--------|
| 8309 | 42 | 15°544 | 21-872 | R.A. 4 ^h 52 ^m Plate 878; 1916 Nov. 30. Provisional Constants. | 8426 | 19 | 19°012 | 3-136 | 8498 | 20 | 21°201 | 8-826 | 8570 | 15 | 14-105 | 12-170 |
| 8310 | 16 | 21-980 | 21-375 | | 8427 | 30 | 20°546 | 3°012 | 8499 | 8 | 23°566 | 8-262 | 8571 | 10 | 14-120 | 12-620 |
| 8311 | 15 | 22-286 | 21-684 | | 8428 | 14 | 21°490 | 3°719 | 8500 | 26 | 23°896 | 8-915 | 8572 | 35 | 17-097 | 12-320 |
| 8312 | 36 | 22-390 | 21-608 | | 8429 | 30 | 21°935 | 3-823 | 8501 | 12 | 25°063 | 8-598 | 8573 | 23 | 17-226 | 12-012 |
| 8313 | 10 | 22-541 | 21-468 | 8430 | 24 | 24°755 | 3-131 | 8502 | 13 | 4°100 | 0-668 | 8574 | 9 | 18-200 | 12-078 | |
| 8314 | 13 | 23-499 | 21-550 | 8431 | 16 | 1°510 | 4-686 | 8503 | 26 | 4°655 | 0-647 | 8575 | 42 | 19-606 | 12-606 | |
| 8315 | 10 | 23°952 | 21-908 | 8432 | 22 | 1°748 | 4-556 | 8504 | 12 | 6°010 | 0-360 | 8576 | 21 | 22-652 | 12-777 | |
| 8316 | 20 | 24°452 | 21-493 | 8433 | 11 | 2°015 | 4-025 | 8505 | 18 | 7°106 | 0-828 | 8577 | 46 | 22-700 | 12-223 | |
| 8317 | 45 | 25-824 | 21-614 | 8434 | 32 | 2°130 | 4°903 | 8506 | 26 | 7°252 | 0-998 | 8578 | 10 | 22-913 | 12-156 | |
| 8318 | 13 | 0-895 | 22-628 | 8435 | 29 | 2°836 | 4°369 | 8507 | 30 | 7°271 | 0-904 | 8579 | 40 | 22-918 | 12-570 | |
| 8319 | 15 | 1°311 | 22-482 | 8436 | 10 | 7°405 | 4°040 | 8508 | 20 | 7°502 | 0°273 | 8580 | 35 | 23°576 | 12-608 | |
| 8320 | 11 | 3°300 | 22°351 | 8437 | 42 | 9°862 | 4°054 | 8509 | 18 | 8-824 | 0°181 | 8581 | 33 | 23-838 | 12-677 | |
| 8321 | 18 | 3°430 | 22°580 | 8438 | 33 | 10-972 | 4°306 | 8510 | 8 | 10°354 | 0°080 | 8582 | 10 | 24°032 | 12-804 | |
| 8322 | 47 | 3°728 | 22°631 | 8439 | 24 | 12-712 | 4°919 | 8511 | 32 | 10°524 | 0°311 | 8583 | 26 | 2-841 | 13-458 | |
| 8323 | 11 | 5°323 | 22°960 | 8440 | 9 | 13°403 | 4°360 | 8512 | 11 | 12°067 | 0°018 | 8584 | 11 | 4-526 | 13-468 | |
| 8324 | 23 | 8-376 | 22-186 | 8441 | 9 | 14°358 | 4°542 | 8513 | 23 | 13°236 | 0°739 | 8585 | 11 | 5-166 | 13-546 | |
| 8325 | 15 | 9°515 | 22-687 | 8442 | 14 | 15°004 | 4°498 | 8514 | 25 | 14°345 | 0°741 | 8586 | 13 | 6-336 | 13-001 | |
| 8326 | 15 | 9°543 | 22-232 | 8443 | 14 | 15°070 | 4°636 | 8515 | 16 | 14°904 | 0°680 | 8587 | 15 | 7-922 | 13-246 | |
| 8327 | 15 | 10°558 | 22°046 | 8444 | 10 | 19°146 | 4-182 | 8516 | 25 | 15°945 | 0°757 | 8588 | 11 | 15°494 | 13°350 | |
| 8328 | 9 | 13°042 | 22°534 | 8445 | 45 | 19°545 | 4-250 | 8517 | 28 | 17°038 | 0°078 | 8589 | 9 | 15°750 | 13-218 | |
| 8329 | 29 | 17°576 | 22°474 | 8446 | 8 | 19°771 | 4°598 | 8518 | 28 | 18-286 | 0°626 | 8590 | 15 | 18°980 | 13°336 | |
| 8330 | 10 | 17-791 | 22-609 | 8447 | 45 | 19°940 | 4°384 | 8519 | 25 | 19°876 | 0°802 | 8591 | 18 | 20-048 | 13°866 | |
| 8331 | 48 | 20°765 | 22-910 | 8448 | 9 | 20-719 | 4°950 | 8520 | 24 | 25°596 | 0°607 | 8592 | 37 | 20-318 | 13°936 | |
| 8332 | 23 | 4-875 | 23-066 | 8449 | 35 | 21°484 | 4°973 | 8521 | 44 | 2-277 | 10-630 | 8593 | 11 | 21°750 | 13°102 | |
| 8333 | 10 | 8-435 | 23-068 | 8450 | 12 | 22-190 | 4°527 | 8522 | 24 | 4-064 | 10-956 | 8594 | 28 | 22-688 | 13°176 | |
| 8334 | 65 | 12-787 | 23-444 | 8451 | 30 | 25°112 | 4°938 | 8523 | 15 | 6-092 | 10°518 | 8595 | 17 | 22-048 | 13°558 | |
| 8335 | 8 | 13-182 | 23°050 | 8452 | 24 | 0-000 | 5°726 | 8524 | 18 | 6-649 | 10-855 | 8596 | 33 | 23°338 | 13°081 | |
| 8336 | 21 | 14°520 | 23°312 | 8453 | 11 | 6-485 | 5°058 | 8525 | 8 | 7-916 | 10-683 | 8597 | 9 | 24°724 | 13°854 | |
| 8337 | 8 | 20°964 | 23°589 | 8454 | 12 | 8-672 | 5°793 | 8526 | 11 | 9-910 | 10-062 | 8598 | 20 | 0°749 | 14°048 | |
| 8338 | 9 | 21°915 | 24°308 | 8455 | 9 | 10-369 | 5°632 | 8527 | 21 | 12-215 | 10-020 | 8599 | 8 | 1°758 | 14-827 | |
| 8339 | 16 | 23°247 | 24°908 | 8456 | 22 | 13°906 | 5°761 | 8528 | 12 | 16-224 | 10-916 | 8600 | 12 | 3°606 | 14°120 | |
| 8340 | 21 | 23-771 | 25-380 | 8457 | 11 | 14-047 | 5°756 | 8529 | 28 | 17°570 | 10-810 | 8601 | 27 | 4°576 | 14°062 | |
| 8341 | 19 | 23-885 | 23-307 | 8458 | 10 | 14-100 | 5°924 | 8530 | 10 | 17-814 | 10-048 | 8602 | 17 | 5°029 | 14-020 | |
| 8342 | 23 | 25°943 | 23°498 | 8459 | 47 | 16-266 | 5°920 | 8531 | 12 | 19-046 | 10-840 | 8603 | 8 | 10°742 | 14-040 | |
| 8343 | 36 | 0-126 | 24-818 | 8460 | 18 | 17°946 | 5°534 | 8532 | 9 | 19-401 | 10-180 | 8604 | 13 | 11-112 | 14°154 | |
| 8344 | 19 | 1-801 | 24°753 | 8461 | 14 | 18-468 | 5°452 | 8533 | 8 | 20-271 | 10-320 | 8605 | 22 | 12-205 | 14-226 | |
| 8345 | 14 | 4-638 | 24-836 | 8462 | 21 | 19-912 | 5°986 | 8534 | 50 | 22-225 | 10-266 | 8606 | 17 | 15°026 | 14-266 | |
| 8346 | 12 | 5°051 | 24-806 | 8463 | 26 | 1-665 | 6°462 | 8535 | 35 | 23°988 | 10-780 | 8607 | 10 | 15-332 | 14-188 | |
| 8347 | 33 | 5-873 | 24-293 | 8464 | 22 | 1-714 | 6°582 | 8536 | 12 | 25°525 | 10-053 | 8608 | 17 | 17°068 | 14°108 | |
| 8348 | 12 | 12-386 | 24°958 | 8465 | 30 | 7-294 | 6°921 | 8537 | 37 | 1°997 | 11-266 | 8609 | 10 | 17°975 | 14-616 | |
| 8349 | 67 | 12-990 | 24-476 | 8466 | 32 | 8-802 | 6°709 | 8538 | 29 | 2-416 | 11-198 | 8610 | 31 | 19-910 | 14-010 | |
| 8350 | 14 | 13-686 | 24-036 | 8467 | 12 | 12-600 | 6°724 | 8539 | 12 | 2-576 | 11°456 | 8611 | 15 | 19°584 | 14-336 | |
| 8351 | 62 | 15-774 | 24-900 | 8468 | 11 | 15°330 | 6°231 | 8540 | 11 | 4-884 | 11°518 | 8612 | 23 | 20-604 | 14-312 | |
| 8352 | 24 | 21-838 | 24-281 | 8469 | 20 | 16-488 | 6°147 | 8541 | 12 | 7-441 | 11-664 | 8613 | 11 | 21°931 | 14-172 | |
| 8353 | 40 | 25-132 | 24-704 | 8470 | 24 | 16-936 | 6°100 | 8542 | 20 | 9°575 | 11-880 | 8614 | 42 | 21-970 | 14-481 | |
| 8354 | 13 | 3-157 | 25-780 | 8471 | 23 | 18-854 | 6°845 | 8543 | 17 | 12-063 | 11-892 | 8615 | 19 | 22-026 | 14-418 | |
| 8355 | 62 | 11-330 | 25°580 | 8472 | 19 | 19-003 | 6°766 | 8544 | 20 | 12-137 | 11-165 | 8616 | 43 | 24-373 | 14-024 | |
| 8356 | 12 | 11-621 | 25-447 | 8473 | 15 | 21-128 | 6°484 | 8545 | 22 | 13°399 | 11-824 | 8617 | 18 | 0°560 | 15°045 | |
| 8357 | 19 | 12-674 | 25°847 | 8474 | 15 | 23°280 | 6°258 | 8546 | 9 | 14-628 | 11-914 | 8618 | 35 | 0°594 | 15°306 | |
| 8358 | 8 | 13°895 | 25°883 | 8475 | 31 | 23°714 | 6°826 | 8547 | 28 | 17°854 | 11°581 | 8619 | 27 | 0°976 | 15°540 | |
| 8359 | 14 | 14°201 | 25°816 | 8476 | 14 | 23°726 | 6°820 | 8548 | 9 | 18-140 | 11°038 | 8620 | 35 | 2°280 | 15°601 | |
| 8360 | 9 | 17°164 | 25-832 | 8477 | 14 | 2-118 | 7-180 | 8549 | 15 | 19-844 | 11°717 | 8621 | 35 | 4°262 | 15°558 | |
| 8361 | 14 | 22-048 | 25-760 | 8478 | 26 | 2-862 | 7°916 | 8550 | 9 | 23-856 | 11-200 | 8622 | 15 | 4°334 | 15°474 | |
| 8362 | 18 | 23°756 | 25-506 | 8479 | 17 | 6-680 | 7°770 | 8551 | 16 | 0-146 | 12-575 | 8623 | 12 | 6-897 | 15°180 | |
| 8363 | 17 | 24-879 | 25-716 | 8480 | 23 | 8-880 | 7°924 | 8552 | 38 | 0-296 | 12-688 | 8624 | 13 | 7°320 | 15°339 | |
| 8364 | 37 | 24°940 | 25°515 | 8481 | 11 | 9-790 | 7°963 | 8553 | 8 | 1-682 | 12-164 | 8625 | 17 | 8°784 | 15°231 | |
| 8365 | 37 | 25-188 | 25°122 | 8482 | 11 | 12-712 | 7°977 | 8554 | 18 | 2-456 | 12°403 | 8626 | 19 | 9°775 | 15°144 | |
| | | | | 8483 | 9 | 14-044 | 7°650 | 8555 | 21 | 2°762 | 12°347 | 8627 | 13 | 9°786 | 15°504 | |
| | | | | 8484 | 46 | 14-680 | 7°218 | 8556 | 42 | 3°556 | 12°354 | 8628 | 36 | 15°845 | 15°482 | |
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R.A. 5^h 3^m

Plate 879; 1916 Nov. 30.

Provisional Constants.

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| 9236 | 4 | 0-536 | 8-865 | 9308 | 40 | 23-892 | 13-471 |
| 9237 | 18 | 3-086 | 8-548 | 9309 | 9 | 2-392 | 14-036 |
| 9238 | 34 | 5-315 | 8-505 | 9310 | 8 | 3-044 | 14-802 |
| 9239 | 39 | 6-691 | 8-693 | 9311 | 41 | 7-176 | 14-542 |
| 9240 | 35 | 8-598 | 8-500 | 9312 | 4 | 10-195 | 14-444 |
| 9241 | 20 | 13-722 | 8-438 | 9313* | 43 | 11-079 | 14-024 |
| 9242 | 24 | 14-976 | 8-118 | 9314* | 46 | 11-492 | 14-204 |

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9384

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12-517

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9386

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12-717

20-476

R.A. 5^h 16^m

Plate 914; 1916 Dec. 17.

Provisional Constants.

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D E F
-00046 - 02588 - 1010

Mag. = 16.3 - 1.09 \sqrt{d}

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9463 30 5-548 0-588

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9465 16 10-994 0-002

9466 24 11-343 0-577

9467 16 14-934 0-996

9468 12 15-342 0-437

9469 14 15-422 0-347

9470 27 17-744 0-434

9471 10 19-532 0-300

9472 18 24-574 0-350

9473 11 24-604 0-374

9474 33 6-920 1-408

9475 13 8-033 1-533

9476 13 10-936 1-741

9477 16 11-369 1-716

9478 21 11-610 1-075

9479 26 14-674 1-065

9480 22 15-944 1-765

9481 21 16-488 1-786

9482 36 17-528 1-804

9483 13 23-182 1-015

9484 18 1-060 2-506

9485 25 4-672 2-770

9486 30 5-087 2-352

9487 21 8-462 2-446

9488 15 9-529 2-433

9489 34 9-666 2-002

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9491 36 10-603 2-820

9492 10 10-822 2-821

9493 25 12-259 2-112

9494 18 16-164 2-191

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9496 36 19-819 2-187

9497 15 20-666 2-294

9498 32 23-556 2-919

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9527 21 4-229 6-416

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9533 12 12-070 6-570

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9535 26 12-644 6-317

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9537 13 19-426 6-704

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9548 12 11-676 7-920

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9556 13 6-822 8-910

9557 82 9-814 8-165

9558 80 9-852 8-044

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9560 15 12-966 8-174

9561 12 15-062 8-520

9562 9 18-924 8-836

9563 26 20-906 8-770

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9578 19 3-493 10-686

9579 10 5-575 10-474

9580 13 6-305 10-944

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9582 11 7-439 10-582

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9585 13 17-924 10-606

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9588 27 23-818 10-329

9589 22 24-380 10-716

9590 14 24-847 10-126

9591 35 25-151 10-906

9592 52 25-945 10-376

9593 21 0-204 11-825

9594 22 7-578 11-436

9595 15 10-881 11-006

9596 13 11-026 11-346

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9598 28 20-480 11-194

9599 35 21-024 11-734

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9602 13 24-126 11-884

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9609 11 5-680 12-718

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9645 17 22-683 14-558

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9655 19 19-085 15-469

9656 24 20-188 15-425

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9658 10 23-015 15-422

9659 36 1-052 16-972

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|-------|----|---------|---------|-------|----|---------|---------|-------|----|---------|--------|-------|----|---------|--------|-------|----|---------|---------|
| 9660 | 17 | 1°31'4 | 16°53'4 | 9732* | 56 | 14°47'8 | 21°78'2 | 9785 | 23 | 24°49'2 | 0°9'16 | 9857 | 15 | 6°08'2 | 6°05'5 | 9929 | 15 | 6°05'0 | 10°44'6 |
| 9661 | 14 | 5°48'6 | 16°30'3 | 9733 | 19 | 15°06'9 | 21°99'5 | 9786 | 15 | 4°62'4 | 1°14'4 | 9858 | 16 | 9°27'6 | 6°06'0 | 9930 | 16 | 7°77'0 | 10°04'8 |
| 9662 | 19 | 9°20'8 | 16°01'5 | 9734 | 22 | 15°32'2 | 21°87'3 | 9787 | 12 | 6°39'4 | 1°18'8 | 9859 | 13 | 10°19'4 | 6°02'8 | 9931 | 8 | 8°04'3 | 10°05'0 |
| 9663 | 10 | 10°09'1 | 16°87'6 | 9735 | 14 | 16°15'7 | 21°64'4 | 9788 | 11 | 7°33'8 | 1°20'4 | 9860 | 20 | 11°06'4 | 6°08'5 | 9932 | 25 | 9°32'0 | 10°07'6 |
| 9664 | 17 | 15°91'2 | 16°71'4 | 9736 | 25 | 19°01'6 | 21°36'4 | 9789 | 12 | 9°50'8 | 1°78'2 | 9861 | 17 | 12°62'0 | 6°09'0 | 9933 | 11 | 9°77'4 | 10°50'1 |
| 9665 | 19 | 16°54'8 | 16°81'2 | 9737 | 18 | 3°46'2 | 22°06'6 | 9790* | 56 | 11°66'7 | 1°73'7 | 9862 | 8 | 15°12'3 | 6°54'5 | 9934 | 13 | 11°51'3 | 10°60'6 |
| 9666 | 14 | 16°78'6 | 16°78'0 | 9738 | 17 | 4°28'4 | 22°40'6 | 9791 | 17 | 15°26'0 | 1°25'6 | 9863 | 10 | 17°50'5 | 6°55'2 | 9935 | 15 | 14°02'0 | 10°40'8 |
| 9667 | 17 | 17°45'0 | 16°42'0 | 9739 | 9 | 9°36'0 | 22°62'7 | 9792 | 18 | 15°85'6 | 1°73'5 | 9864 | 19 | 19°39'4 | 6°03'7 | 9936 | 9 | 14°18'6 | 10°51'8 |
| 9668 | 16 | 20°84'6 | 16°09'9 | 9740 | 16 | 9°44'0 | 22°80'6 | 9793 | 21 | 23°91'9 | 1°74'4 | 9865 | 16 | 21°16'8 | 6°19'2 | 9937 | 8 | 14°18'8 | 10°57'8 |
| 9669 | 15 | 22°25'8 | 16°03'5 | 9741 | 15 | 10°62'1 | 22°16'6 | 9794 | 19 | 24°96'4 | 1°04'6 | 9866 | 8 | 23°68'8 | 6°30'4 | 9938 | 14 | 14°52'4 | 10°81'8 |
| 9670 | 20 | 22°70'3 | 16°42'7 | 9742 | 18 | 18°05'1 | 22°26'5 | 9795 | 10 | 0°42'0 | 2°33'2 | 9867 | 20 | 25°57'4 | 6°66'0 | 9939 | 12 | 15°84'9 | 10°83'8 |
| 9671* | 58 | 24°38'0 | 16°18'2 | 9743 | 21 | 18°97'2 | 22°99'0 | 9796* | 34 | 1°41'8 | 2°84'2 | 9868 | 28 | 1°27'6 | 7°56'3 | 9940 | 9 | 17°51'8 | 10°30'0 |
| 9672 | 10 | 2°14'3 | 17°20'1 | 9744 | 13 | 19°16'6 | 22°89'0 | 9797 | 32 | 3°05'6 | 2°83'4 | 9869 | 16 | 7°90'8 | 7°46'4 | 9941 | 12 | 18°15'0 | 10°95'6 |
| 9673 | 24 | 3°59'1 | 17°08'3 | 9745 | 18 | 21°37'8 | 22°91'6 | 9798 | 8 | 5°73'2 | 2°99'0 | 9870 | 8 | 8°65'6 | 7°10'8 | 9942 | 16 | 18°80'1 | 10°27'5 |
| 9674 | 14 | 5°92'7 | 17°50'2 | 9746 | 37 | 22°84'6 | 22°73'4 | 9799 | 30 | 12°72'9 | 2°33'1 | 9871 | 26 | 9°05'2 | 7°44'8 | 9943 | 9 | 18°00'8 | 10°60'6 |
| 9675 | 16 | 6°16'2 | 17°92'8 | 9747 | 36 | 2°66'9 | 23°76'4 | 9800 | 14 | 13°18'6 | 2°95'7 | 9872 | 10 | 9°53'2 | 7°15'4 | 9944 | 14 | 19°51'6 | 10°23'2 |
| 9676 | 8 | 9°23'2 | 17°83'0 | 9748 | 36 | 3°95'8 | 23°24'5 | 9801 | 11 | 15°29'1 | 2°32'1 | 9873 | 14 | 13°02'2 | 7°62'0 | 9945 | 13 | 2°00'3 | 11°76'2 |
| 9677 | 9 | 11°16'0 | 17°57'9 | 9749 | 12 | 5°35'4 | 23°58'1 | 9802 | 11 | 17°13'7 | 2°53'5 | 9874 | 11 | 13°19'6 | 7°08'6 | 9946 | 34 | 2°01'6 | 11°80'2 |
| 9678 | 19 | 11°33'4 | 17°08'3 | 9750* | 36 | 9°34'5 | 23°91'2 | 9803 | 22 | 19°05'8 | 2°60'4 | 9875 | 21 | 13°88'4 | 7°03'6 | 9947 | 9 | 2°13'6 | 11°79'4 |
| 9679 | 15 | 11°79'1 | 17°31'0 | 9751 | 29 | 12°90'8 | 23°25'4 | 9804 | 20 | 19°73'6 | 2°05'6 | 9876* | 36 | 15°05'4 | 7°41'4 | 9948 | 10 | 3°23'0 | 11°86'4 |
| 9680 | 14 | 12°85'0 | 17°40'4 | 9752 | 14 | 13°02'4 | 23°18'2 | 9805* | 36 | 21°88'3 | 2°78'7 | 9877 | 15 | 15°07'4 | 7°02'4 | 9949 | 10 | 3°70'4 | 11°52'4 |
| 9681 | 30 | 14°36'0 | 17°00'2 | 9753 | 20 | 16°13'8 | 23°05'2 | 9806 | 11 | 22°40'5 | 2°11'9 | 9878 | 9 | 16°64'2 | 7°83'4 | 9950 | 12 | 4°53'8 | 11°07'9 |
| 9682 | 10 | 14°86'8 | 17°51'5 | 9754* | 64 | 19°07'6 | 23°97'2 | 9807 | 11 | 22°75'0 | 2°20'4 | 9879 | 9 | 20°61'8 | 7°16'0 | 9951 | 13 | 5°07'7 | 11°37'6 |
| 9683 | 24 | 19°10'6 | 17°21'8 | 9755* | 56 | 19°12'4 | 23°69'7 | 9808 | 27 | 25°40'8 | 2°94'7 | 9880 | 23 | 21°25'4 | 7°81'1 | 9952 | 9 | 6°14'0 | 11°41'0 |
| 9684 | 16 | 20°98'2 | 17°21'8 | 9756 | 19 | 19°37'8 | 23°48'6 | 9809 | 15 | 2°21'0 | 3°24'4 | 9881 | 8 | 21°63'8 | 7°50'2 | 9953 | 9 | 6°85'2 | 11°61'0 |
| 9685* | 46 | 22°94'6 | 17°08'6 | 9757 | 36 | 20°19'2 | 23°75'5 | 9810 | 13 | 3°56'1 | 3°25'6 | 9882 | 32 | 23°34'5 | 7°94'7 | 9954 | 10 | 8°60'1 | 11°48'5 |
| 9686* | 47 | 23°81'2 | 17°15'4 | 9758 | 12 | 3°00'4 | 24°44'4 | 9811 | 16 | 4°40'0 | 3°34'8 | 9883 | 36 | 0°34'2 | 8°54'4 | 9955 | 11 | 8°59'0 | 11°19'3 |
| 9687 | 16 | 5°23'9 | 18°80'6 | 9759 | 34 | 3°26'8 | 24°77'1 | 9812 | 17 | 5°62'0 | 3°58'8 | 9884 | 11 | 4°17'2 | 8°03'4 | 9956 | 8 | 8°04'8 | 11°29'6 |
| 9688 | 9 | 6°08'0 | 18°58'0 | 9760 | 39 | 16°99'5 | 24°39'8 | 9813 | 9 | 8°84'6 | 3°76'8 | 9885 | 17 | 5°34'2 | 8°07'8 | 9957 | 14 | 10°88'4 | 11°55'0 |
| 9689 | 17 | 7°45'6 | 18°01'7 | 9761 | 36 | 18°31'5 | 24°33'4 | 9814 | 10 | 9°88'2 | 3°44'0 | 9886 | 22 | 9°86'6 | 8°48'5 | 9958 | 10 | 12°44'9 | 11°66'1 |
| 9690 | 23 | 8°73'7 | 18°39'0 | 9762 | 19 | 19°56'6 | 24°29'0 | 9815* | 36 | 10°50'0 | 3°28'3 | 9887 | 15 | 10°60'6 | 8°08'4 | 9959 | 12 | 12°80'2 | 11°54'4 |
| 9691 | 19 | 9°63'3 | 18°42'5 | 9763 | 19 | 23°40'0 | 24°81'0 | 9816 | 36 | 11°49'5 | 3°24'2 | 9888 | 14 | 13°25'6 | 8°00'8 | 9960 | 20 | 13°75'4 | 11°08'6 |
| 9692 | 13 | 11°17'6 | 18°11'5 | 9764 | 21 | 6°95'9 | 25°59'4 | 9817 | 20 | 13°76'9 | 3°45'5 | 9889 | 8 | 13°02'4 | 8°87'4 | 9961 | 13 | 15°10'7 | 11°08'4 |
| 9693* | 38 | 13°25'9 | 18°49'0 | 9765 | 21 | 10°18'4 | 25°38'2 | 9818 | 11 | 15°72'3 | 3°05'3 | 9890 | 14 | 14°43'4 | 8°05'6 | 9962 | 12 | 16°61'4 | 11°29'9 |
| 9694 | 28 | 13°83'4 | 18°18'2 | 9766 | 20 | 11°92'8 | 25°52'8 | 9819 | 11 | 18°94'2 | 3°80'3 | 9891 | 9 | 14°03'4 | 8°50'2 | 9963 | 10 | 17°61'4 | 11°06'6 |
| 9695 | 26 | 15°66'8 | 18°00'4 | 9767 | 46 | 19°14'6 | 25°86'8 | 9820 | 23 | 19°26'8 | 3°96'3 | 9892 | 9 | 15°05'6 | 8°54'4 | 9964 | 16 | 17°60'0 | 11°61'0 |
| 9696 | 17 | 18°53'2 | 18°32'8 | 9768 | 19 | 20°90'1 | 25°37'2 | 9821 | 22 | 23°28'2 | 3°78'2 | 9893 | 9 | 15°05'8 | 8°89'6 | 9965 | 17 | 17°82'2 | 11°51'4 |
| 9697 | 28 | 18°57'8 | 18°43'0 | 9769 | 34 | 21°25'9 | 25°32'5 | 9822 | 14 | 4°27'0 | 4°84'6 | 9894* | 42 | 17°93'8 | 8°11'2 | 9966 | 18 | 10°04'4 | 11°16'2 |
| 9698 | 37 | 19°12'6 | 18°76'4 | 9770 | 36 | 25°79'8 | 25°73'4 | 9823 | 37 | 4°98'4 | 4°15'9 | 9895* | 36 | 18°50'4 | 8°51'6 | 9967 | 18 | 10°04'4 | 11°07'7 |
| 9699 | 17 | 23°23'8 | 18°27'6 | | | | | 9824 | 16 | 8°61'3 | 4°67'1 | 9896 | 18 | 19°14'8 | 8°22'2 | 9968 | 14 | 17°15'1 | 11°85'4 |
| 9700 | 24 | 23°48'7 | 18°88'7 | | | | | 9825 | 10 | 10°50'6 | 4°46'4 | 9897 | 38 | 19°39'0 | 8°69'1 | 9969 | 22 | 24°85'0 | 11°32'5 |
| 9701 | 86 | 25°69'6 | 18°02'6 | | | | | 9826 | 26 | 13°25'5 | 4°91'8 | 9898 | 19 | 20°45'5 | 8°14'5 | 9970 | 14 | 3°65'4 | 12°24'0 |
| 9702 | 21 | 1°46'6 | 19°56'1 | | | | | 9827 | 11 | 13°72'2 | 4°61'0 | 9899 | 16 | 20°94'4 | 8°10'8 | 9971 | 13 | 5°85'4 | 12°00'0 |
| 9703 | 27 | 3°34'0 | 19°25'9 | | | | | 9828 | 22 | 19°84'6 | 4°83'4 | 9900 | 36 | 20°96'8 | 8°11'1 | 9972 | 8 | 8°28'7 | 12°35'0 |
| 9704* | 45 | 5°54'0 | 19°31'8 | | | | | 9829 | 13 | 20°34'8 | 4°72'8 | 9901 | 10 | 21°45'2 | 8°57'8 | 9973 | 16 | 11°00'5 | 12°09'8 |
| 9705 | 9 | 9°66'5 | 19°56'7 | | | | | 9830 | 10 | 21°79'9 | 4°70'4 | 9902 | 23 | 22°83'8 | 8°18'7 | 9974 | 15 | 12°90'0 | 12°86'8 |
| 9706 | 17 | 10°58'8 | 19°87'0 | | | | | 9831 | 36 | 23°10'4 | 4°38'2 | 9903 | 9 | 24°69'3 | 8°96'6 | 9975 | 22 | 13°13'6 | 12°05'2 |
| 9707* | 34 | 12°76'8 | 19°76'4 | | | | | 9832 | 12 | 23°17'2 | 4°76'6 | 9904 | 15 | 24°93'4 | 8°03'2 | 9976 | 21 | 14°45'2 | 12°86'0 |
| 9708 | 19 | 12°08'5 | 19°80'4 | | | | | 9833 | 18 | 25°84'0 | 4°46'6 | 9905 | 27 | 2°57'4 | 9°11'4 | 9977 | 20 | 15°08'6 | 12°33'8 |
| 9709 | 14 | 13°82'0 | 19°07'0 | | | | | 9834 | 17 | 0°44'1 | 5°15'4 | 9906 | 36 | 4°95'0 | 9°97'5 | 9978 | 17 | 19°95'0 | 12°33'4 |
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| 9717 | 28 | 6°12'2 | 20°56'6 | | | | | 9842 | 18 | 13°12'9 | 5°42'4 | 9914 | 14 | 14°42'5 | 9°04'4 | 9986 | 9 | 7°42'5 | 13°84'8 |
| 9718 | 18 | 9°14'4 | 20°39'0 | | | | | 9843 | 14 | 13°87'4 | 5°28'4 | 9915 | 8 | 15°75'7 | 9°25'2 | 9987* | 34 | 9°52'4 | 13°72'0 |
| 9719 | 15 | 9°76'4 | 20°22'5 | | | | | 9844 | 11 | 15°38'0 | 5°54'4 | 9916 | 12 | 18°75'6 | 9°36'6 | 9988 | 22 | 9°98'8 | 13°47'2 |
| 9720 | 16 | 13°71'0 | 20°37'2 | | | | | 9845 | 8 | 18°85'0 | 5°18'4 | 9917 | 12 | 19°10'4 | 9°55'6 | 9989 | 8 | 11°27'6 | 13°38'6 |
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| 9723 | 11 | 16°97'5 | 20°58'2 | | | | | 9848 | 12 | 21°97'9 | 5°6 | | | | | | | | |

| | | | | | | | | | | | | | | | |
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| 10001 | 16 | 22 748 | 13 304 | 10073 | 12 | 1 718 | 17 876 | 10145 | 24 | 7 158 | 21 192 | 10256 | 14 | 4 759 | 4 350 |
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| 10052 | 15 | 0 785 | 16 364 | 10124* | 33 | 12 949 | 19 474 | 10196 | 36 | 18 324 | 25 961 | 10307 | 11 | 21 250 | 6 358 |
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| 10054 | 10 | 3 622 | 16 104 | 10126 | 22 | 15 036 | 19 378 | 10198 | 11 | 24 822 | 25 100 | 10309 | 10 | 25 515 | 6 738 |
| 10055 | 14 | 4 606 | 16 066 | 10127 | 32 | 16 840 | 19 768 | | | | | 10310 | 11 | 6 424 | 7 280 |
| 10056* | 37 | 4 867 | 16 824 | 10128 | 12 | 17 248 | 19 152 | | | | | 10311 | 20 | 7 242 | 7 838 |
| 10057 | 10 | 6 488 | 16 404 | 10129 | 16 | 20 770 | 19 184 | | | | | 10312 | 21 | 8 761 | 7 070 |
| 10058 | 11 | 7 833 | 16 549 | 10130 | 8 | 21 171 | 19 106 | | | | | 10313 | 16 | 9 476 | 7 615 |
| 10059 | 14 | 8 632 | 16 348 | 10131 | 11 | 21 582 | 19 972 | | | | | 10314 | 26 | 15 440 | 7 110 |
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| 10061 | 10 | 11 374 | 16 198 | 10133 | 32 | 24 977 | 19 823 | | | | | 10316 | 25 | 16 272 | 7 069 |
| 10062 | 12 | 13 738 | 16 783 | 10134 | 15 | 25 514 | 19 940 | | | | | 10317* | 41 | 16 282 | 7 063 |
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| 10066* | 36 | 18 448 | 16 516 | 10138 | 13 | 8 644 | 20 894 | | | | | 10321 | 15 | 20 476 | 7 757 |
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| 10068 | 14 | 21 116 | 16 940 | 10140 | 18 | 15 924 | 20 974 | | | | | 10323 | 10 | 20 946 | 7 912 |
| 10069* | 40 | 21 740 | 16 683 | 10141 | 31 | 19 510 | 20 317 | | | | | 10324* | 47 | 22 624 | 7 480 |
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R.A. 5^h 32^m

Plate 916; 1916 Dec. 18.

Provisional Constants.

A B C

-0258° +00439 +1643

D E F

-00418 -02577 -2724

Mag. = 16.5 - 1.09√*l*

No. d x y

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10202 10 4 537 0 402

10203 15 5 820 0 758

10204 14 6 964 0 586

10205 11 11 640 0 216

10206 22 12 526 0 916

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10212 30 24 108 0 436

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10216 26 6 94

| | | | | | | | | | | | | | | | | | | | |
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| 11124 | 10 | 17-716 | 19-320 | 11196 | 10 | 19-139 | 23-682 | | | | | 11342 | 21 | 24-884 | 4-534 | 11414 | 16 | 16-742 | 8-292 |
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| 11454 | 16 | 14-778 | 10-930 | 11526 | 16 | 16-941 | 13-179 | 11598 | 14 | 17-850 | 17-866 | 11670 | 12 | 16-840 | 21-132 | 11742 | 50 | 6-843 | 25-684 |
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| 11466 | 30 | 5-350 | 11-150 | 11538 | 16 | 9-831 | 14-404 | 11610 | 32 | 5-332 | 18-686 | 11682 | 15 | 14-438 | 22-726 | 11754 | 56 | 24-656 | 25-647 |
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| 11815 | 11 | 23°953 | 0°154 | 11887 | 13 | 6°676 | 4°340 | 11959 | 27 | 13°704 | 7°954 | 12031 | 21 | 13°414 | 10°360 | 12103 | 14 | 17°157 | 13°258 |
| 11816* | 63 | 24°966 | 0°158 | 11888 | 21 | 6°736 | 4°396 | 11960 | 12 | 14°540 | 7°020 | 12032 | 14 | 18°901 | 10°886 | 12104 | 9 | 20°302 | 13°206 |
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| 11822 | 21 | 4°620 | 1°405 | 11894* | 50 | 15°882 | 4°146 | 11966 | 20 | 0°093 | 8°027 | 12038 | 10 | 25°826 | 10°166 | 12110 | 11 | 22°602 | 13°026 |
| 11823* | 75 | 4°902 | 1°590 | 11895 | 30 | 17°076 | 4°756 | 11967 | 16 | 0°522 | 8°644 | 12039 | 10 | 0°194 | 11°043 | 12111 | 12 | 22°604 | 13°036 |
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| 11828 | 10 | 9°954 | 1°076 | 11900 | 10 | 20°900 | 4°124 | 11972 | 14 | 6°592 | 8°271 | 12044 | 35 | 5°211 | 11°033 | 12116* | 45 | 0°588 | 14°600 |
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R.A. 6^h 4^m

Plate 880; 1916 Nov. 30.

Provisional Constants.

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| 12936 | 8 | 25-218 | 18-670 | 12108 | 15 | 3-646 | 21-276 | 13080 | 13 | 9-284 | 23-240 | | | | | 13206 | 12 | 0-345 | 4-085 |
| 12937 | 16 | 0-385 | 19-018 | 12109 | 8 | 4-652 | 21-426 | 13081 | 14 | 9-308 | 23-540 | | | | | 13207 | 10 | 1-494 | 4-803 |
| 12938 | 14 | 0-422 | 19-512 | 12110 | 9 | 6-237 | 21-766 | 13082 | 19 | 9-412 | 23-674 | | | | | 13208 | 70 | 2-560 | 4-430 |
| 12939 | 14 | 0-843 | 19-576 | 12111 | 10 | 6-656 | 21-445 | 13083 | 11 | 9-856 | 23-600 | | | | | 13209 | 11 | 4-752 | 4-718 |
| 12940 | 15 | 0-869 | 19-241 | 12112 | 11 | 6-805 | 21-038 | 13084 | 10 | 11-312 | 23-051 | | | | | 13210 | 11 | 5-504 | 4-662 |
| 12941 | 12 | 1-712 | 19-612 | 12113 | 9 | 7-868 | 21-040 | 13085 | 8 | 13-740 | 23-120 | | | | | 13211 | 10 | 9-444 | 4-553 |
| 12942 | 9 | 3-102 | 19-334 | 12114 | 27 | 8-603 | 21-882 | 13086 | 26 | 14-934 | 23-613 | | | | | 13212 | 37 | 9-924 | 4-183 |
| 12943 | 8 | 5-500 | 19-183 | 12115 | 9 | 8-672 | 21-410 | 13087 | 19 | 15-104 | 23-251 | | | | | 13213 | 51 | 10-138 | 4-930 |
| 12944 | 8 | 6-535 | 19-276 | 12116 | 16 | 9-298 | 21-238 | 13088 | 30 | 15-177 | 23-370 | | | | | 13214 | 10 | 12-274 | 4-168 |
| 12945 | 12 | 7-041 | 19-717 | 12117 | 10 | 10-564 | 21-932 | 13089 | 10 | 15-212 | 23-693 | | | | | 13215 | 34 | 12-837 | 4-550 |
| 12946 | 16 | 8-053 | 19-324 | 12118 | 35 | 11-276 | 21-626 | 13090 | 9 | 15-734 | 23-320 | | | | | 13216 | 27 | 13-133 | 4-876 |
| 12947 | 27 | 8-050 | 19-190 | 12119 | 56 | 12-361 | 21-398 | 13091 | 13 | 17-118 | 23-538 | | | | | 13217 | 10 | 16-371 | 4-573 |
| 12948 | 10 | 9-417 | 19-366 | 12120 | 10 | 12-938 | 21-516 | 13092 | 14 | 17-228 | 23-999 | | | | | 13218 | 24 | 18-287 | 4-774 |
| 12949 | 13 | 9-807 | 19-308 | 12121 | 15 | 13-140 | 21-452 | 13093 | 11 | 18-644 | 23-476 | | | | | 13219 | 14 | 18-304 | 4-776 |
| 12950 | 8 | 10-220 | 19-943 | 12122 | 9 | 13-888 | 21-532 | 13094 | 14 | 19-500 | 23-674 | | | | | 13220 | 18 | 22-682 | 4-174 |
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| 12952 | 12 | 11-210 | 19-106 | 12124 | 18 | 14-333 | 21-187 | 13096 | 8 | 20-138 | 23-833 | | | </ | | | | | |

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|--------|----|---------|-------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|
| 13230* | 48 | 14-056 | 5-822 | 13302 | 25 | 12-877 | 8-806 | 13374 | 26 | 8-302 | 11-876 | 13446 | 15 | 10-370 | 14-607 | 13518 | 20 | 18-380 | 17-126 |
| 13231 | 10 | 17-580 | 5-675 | 13303 | 14 | 13-382 | 8-960 | 13375 | 23 | 9-024 | 11-628 | 13447 | 10 | 20-497 | 14-607 | 13518 | 20 | 18-380 | 17-126 |
| 13232 | 12 | 17-739 | 5-780 | 13304 | 13 | 13-920 | 8-550 | 13376 | 13 | 11-170 | 11-460 | 13448 | 15 | 22-161 | 14-508 | 13520 | 20 | 21-888 | 17-432 |
| 13233* | 75 | 18-169 | 5-430 | 13305 | 10 | 14-511 | 8-837 | 13377 | 11 | 12-094 | 11-440 | 13449 | 54 | 22-457 | 14-055 | 13521 | 26 | 22-182 | 17-203 |
| 13234 | 25 | 18-776 | 5-390 | 13306 | 22 | 15-607 | 8-784 | 13378 | 11 | 12-938 | 11-708 | 13450 | 16 | 23-044 | 14-876 | 13522 | 33 | 23-172 | 17-902 |
| 13235 | 26 | 18-829 | 5-733 | 13307 | 41 | 15-904 | 8-406 | 13379 | 22 | 13-068 | 11-300 | 13451 | 26 | 24-682 | 14-567 | 13523* | 42 | 23-122 | 17-968 |
| 13236 | 10 | 19-170 | 5-774 | 13308 | 11 | 17-445 | 8-792 | 13380 | 28 | 15-532 | 11-739 | 13452 | 12 | 25-119 | 15-234 | 13524 | 20 | 24-017 | 17-720 |
| 13237 | 10 | 20-200 | 5-333 | 13309 | 12 | 18-458 | 8-706 | 13381 | 16 | 16-214 | 11-032 | 13453 | 42 | 25-244 | 15-516 | 13525 | 27 | 25-250 | 17-770 |
| 13238 | 12 | 21-227 | 5-752 | 13310 | 20 | 19-202 | 8-030 | 13382 | 12 | 16-670 | 11-000 | 13454 | 57 | 4-394 | 15-747 | 13526 | 24 | 26-030 | 18-075 |
| 13239 | 13 | 22-212 | 5-555 | 13311 | 46 | 19-465 | 8-618 | 13383 | 22 | 17-362 | 11-491 | 13455 | 10 | 7-078 | 15-064 | 13527 | 11 | 26-781 | 18-495 |
| 13240* | 72 | 22-401 | 5-428 | 13312 | 31 | 19-516 | 8-754 | 13384 | 20 | 18-174 | 11-313 | 13456 | 11 | 7-196 | 15-372 | 13528 | 20 | 26-931 | 18-560 |
| 13241 | 18 | 24-934 | 5-376 | 13313 | 14 | 20-765 | 8-276 | 13385 | 35 | 18-326 | 11-089 | 13457 | 38 | 8-306 | 15-162 | 13529 | 14 | 27-077 | 18-756 |
| 13242 | 10 | 2-329 | 6-020 | 13314 | 21 | 21-416 | 8-513 | 13386 | 15 | 19-010 | 11-294 | 13458 | 33 | 8-506 | 15-730 | 13530 | 13 | 27-300 | 18-616 |
| 13243 | 22 | 2-498 | 6-098 | 13315 | 11 | 22-430 | 8-150 | 13387 | 15 | 19-638 | 11-094 | 13459 | 15 | 9-518 | 15-522 | 13531 | 12 | 27-508 | 18-600 |
| 13244 | 10 | 2-947 | 6-566 | 13316 | 11 | 23-812 | 8-057 | 13388 | 12 | 22-111 | 11-148 | 13460 | 35 | 9-950 | 15-747 | 13532* | 71 | 27-500 | 18-588 |
| 13245 | 17 | 4-396 | 6-500 | 13317 | 25 | 24-626 | 8-229 | 13389 | 24 | 22-728 | 11-915 | 13461 | 13 | 11-233 | 15-934 | 13533 | 14 | 27-560 | 18-628 |
| 13246 | 26 | 7-285 | 6-522 | 13318* | 71 | 25-935 | 8-864 | 13390 | 14 | 23-778 | 11-489 | 13462 | 27 | 11-823 | 15-113 | 13534 | 20 | 27-900 | 18-750 |
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| 13248 | 10 | 9-156 | 6-930 | 13320 | 11 | 1-644 | 9-957 | 13392 | 27 | 24-008 | 11-479 | 13464 | 23 | 11-970 | 15-350 | 13536 | 9 | 28-841 | 18-590 |
| 13249 | 25 | 9-442 | 6-366 | 13321 | 22 | 2-426 | 9-138 | 13393* | 40 | 24-652 | 11-557 | 13465 | 13 | 12-185 | 15-924 | 13537 | 10 | 28-838 | 18-560 |
| 13250* | 96 | 9-780 | 6-263 | 13322 | 10 | 2-524 | 9-066 | 13394 | 32 | 25-456 | 11-582 | 13466 | 31 | 12-196 | 15-426 | 13538 | 37 | 29-364 | 18-516 |
| 13251 | 27 | 9-830 | 6-600 | 13323 | 13 | 2-529 | 9-750 | 13395 | 12 | 25-528 | 11-626 | 13467 | 13 | 13-286 | 15-317 | 13539 | 56 | 29-280 | 18-448 |
| 13252 | 21 | 10-125 | 6-189 | 13324 | 13 | 3-087 | 9-622 | 13396 | 12 | 1-844 | 12-354 | 13468 | 9 | 13-690 | 15-730 | 13540 | 24 | 29-212 | 18-901 |
| 13253* | 64 | 10-138 | 6-522 | 13325 | 10 | 5-535 | 9-936 | 13397 | 57 | 1-016 | 12-638 | 13469 | 13 | 14-116 | 15-113 | 13541 | 43 | 28-580 | 18-628 |
| 13254 | 26 | 10-763 | 6-144 | 13326* | 71 | 5-548 | 9-632 | 13398 | 12 | 2-030 | 12-894 | 13470 | 13 | 17-170 | 15-058 | 13542 | 24 | 28-604 | 18-010 |
| 13255 | 30 | 13-352 | 6-852 | 13327 | 21 | 6-036 | 9-451 | 13399 | 23 | 4-268 | 12-573 | 13471 | 22 | 17-578 | 15-332 | 13543 | 19 | 29-120 | 18-156 |
| 13256 | 40 | 13-397 | 6-425 | 13328 | 10 | 6-231 | 9-444 | 13400 | 10 | 5-034 | 12-312 | 13472 | 43 | 18-131 | 15-904 | 13544 | 33 | 29-650 | 18-674 |
| 13257 | 12 | 18-033 | 6-548 | 13329 | 61 | 7-309 | 9-967 | 13401 | 42 | 5-990 | 12-106 | 13473 | 22 | 20-700 | 15-118 | 13545 | 15 | 29-136 | 19-102 |
| 13258 | 42 | 21-120 | 6-163 | 13330 | 13 | 7-769 | 9-232 | 13402 | 14 | 6-187 | 12-130 | 13474 | 24 | 21-646 | 15-146 | 13546 | 15 | 29-360 | 19-118 |
| 13259 | 17 | 23-614 | 6-249 | 13331 | 9 | 10-111 | 9-022 | 13403 | 11 | 6-168 | 12-544 | 13475 | 14 | 22-272 | 15-395 | 13547 | 54 | 29-405 | 19-355 |
| 13260 | 42 | 23-676 | 6-400 | 13332 | 13 | 10-723 | 9-824 | 13404 | 23 | 6-240 | 12-228 | 13476 | 17 | 22-342 | 15-574 | 13548 | 22 | 29-608 | 19-620 |
| 13261 | 11 | 25-178 | 6-994 | 13333 | 45 | 10-779 | 9-703 | 13405 | 10 | 8-500 | 12-162 | 13477* | 67 | 22-342 | 15-595 | 13549* | 93 | 29-634 | 19-633 |
| 13262* | 47 | 0-592 | 7-866 | 13334 | 29 | 13-944 | 9-503 | 13406 | 54 | 9-588 | 12-997 | 13478 | 15 | 24-798 | 15-832 | 13550 | 11 | 28-480 | 19-732 |
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| 13264 | 10 | 4-222 | 7-534 | 13336 | 9 | 14-663 | 9-767 | 13408 | 23 | 16-237 | 12-047 | 13480 | 38 | 0-484 | 16-702 | 13552 | 22 | 28-840 | 19-998 |
| 13265 | 13 | 4-260 | 7-058 | 13337 | 20 | 17-790 | 9-764 | 13409 | 24 | 18-332 | 12-206 | 13481 | 27 | 0-860 | 16-778 | 13553 | 14 | 29-174 | 19-131 |
| 13266 | 25 | 4-866 | 7-752 | 13338 | 41 | 19-336 | 9-807 | 13410 | 39 | 18-904 | 12-018 | 13482 | 49 | 2-618 | 16-443 | 13554 | 11 | 29-368 | 19-738 |
| 13267 | 28 | 8-790 | 7-642 | 13339 | 28 | 25-248 | 9-608 | 13411 | 38 | 21-462 | 12-866 | 13483 | 44 | 4-220 | 16-420 | 13555 | 21 | 29-378 | 19-634 |
| 13268 | 10 | 9-078 | 7-584 | 13340 | 14 | 3-912 | 10-666 | 13412 | 18 | 0-278 | 13-240 | 13484 | 14 | 6-151 | 16-392 | 13556 | 10 | 29-618 | 19-600 |
| 13269 | 15 | 9-828 | 7-398 | 13341* | 46 | 3-989 | 10-800 | 13413 | 28 | 0-268 | 13-386 | 13485 | 12 | 7-244 | 16-080 | 13557 | 19 | 29-780 | 19-701 |
| 13270 | 14 | 10-162 | 7-272 | 13342 | 25 | 5-107 | 10-540 | 13414 | 11 | 2-868 | 13-874 | 13486 | 20 | 10-002 | 16-156 | 13558 | 10 | 29-866 | 19-233 |
| 13271* | 60 | 10-318 | 7-764 | 13343 | 12 | 6-280 | 10-074 | 13415 | 22 | 2-930 | 13-950 | 13487 | 24 | 10-689 | 16-186 | 13559 | 10 | 29-332 | 19-843 |
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| 13274* | 78 | 14-243 | 7-736 | 13346 | 35 | 7-784 | 10-266 | 13418 | 16 | 6-776 | 13-534 | 13490 | 10 | 17-242 | 16-374 | 13562* | 93 | 29-077 | 20-878 |
| 13275 | 25 | 15-083 | 7-291 | 13347 | 11 | 8-606 | 10-242 | 13419 | 10 | 8-464 | 13-513 | 13491 | 11 | 17-476 | 16-058 | 13563 | 11 | 29-242 | 20-800 |
| 13276 | 20 | 15-430 | 7-684 | 13348 | 36 | 10-278 | 10-550 | 13420 | 13 | 8-550 | 13-158 | 13492 | 25 | 17-854 | 16-094 | 13564 | 10 | 29-285 | 20-468 |
| 13277 | 18 | 16-409 | 7-820 | 13349 | 31 | 11-314 | 10-322 | 13421 | 14 | 8-965 | 13-878 | 13493 | 23 | 18-091 | 16-616 | 13565 | 11 | 29-600 | 20-215 |
| 13278* | 62 | 17-075 | 7-156 | 13350 | 16 | 11-406 | 10-515 | 13422 | 26 | 9-110 | 13-430 | 13494 | 30 | 18-412 | 16-052 | 13566 | 9 | 29-936 | 20-204 |
| 13279 | 23 | 18-020 | 7-652 | 13351 | 19 | 12-666 | 10-196 | 13423 | 26 | 9-852 | 13-006 | 13495 | 14 | 18-796 | 16-078 | 13567 | 42 | 29-968 | 20-244 |
| 13280 | 14 | 19-240 | 7-949 | 13352 | 14 | 12-686 | 10-644 | 13424 | 18 | 11-927 | 13-680 | 13496 | 12 | 18-310 | 16-708 | 13568 | 18 | 29-713 | 20-104 |
| 13281 | 29 | 19-280 | 7-058 | 13353 | 11 | 14-356 | 10-760 | 13425 | 13 | 12-166 | 13-057 | 13497 | 26 | 20-773 | 16-350 | 13569 | 10 | 29-133 | 20-025 |
| 13282 | 54 | 22-408 | 7-038 | 13354 | 48 | 14-692 | 10-516 | 13426 | 14 | 12-928 | 13-864 | 13498 | 11 | 22-866 | 16-888 | 13570 | 27 | 29-620 | 20-616 |
| 13283 | 41 | 22-668 | 7-890 | 13355 | 51 | 15-134 | 10-633 | 13427 | 16 | 13-734 | 13-666 | 13499 | 71 | 25-490 | 16-726 | 13571* | 30 | 29-744 | 20-146 |
| 13284 | 11 | 23-456 | 7-200 | 13356 | 30 | 17-010 | 10-166 | 13428 | 33 | 13-836 | 13-576 | 13500 | 42 | 25-706 | 16-395 | 13572 | 32 | 29-824 | 20-136 |
| 13285 | 45 | 23-686 | 7-971 | 13357 | 49 | 17-227 | 10-574 | 13429 | 9 | 18-700 | 13-933 | 13501 | 21 | 3-336 | 17-122 | 13573 | 38 | 29-602 | 20-339 |
| 13286 | 35 | 23-847 | 7-376 | 13358 | 10 | 17-907 | 10-786 | 13430 | 10 | 19-284 | 13-739 | 13502 | 27 | 4-473 | 17-626 | 13574 | 18 | 29-608 | 20-124 |
| 13287 | 14 | 24-042 | 7-082 | 13359 | 21 | 18-172 | 10-308 | 13431 | 16 | 19-361 | 13-574 | 13503 | 34 | 5-644 | 17-638 | 13575* | 97 | 29-282 | 20-784 |
| 13288 | 15 | 24-102 | 7-194 | 13360 | 26 | 19-972 | 10-137 | 13432 | 42 | 20-268 | 13-200 | 13504 | 14 | 6-764 | 17-396 | 13576 | 20 | 29-323 | 20-254 |
| 13289 | 13 | 24-280 | 7-321 | 13361 | 14 | 21-702 | 10-482 | 13433 | 45 | 22-085 | 13-491 | 13505 | 11 | 7-532 | 17-197 | 13577 | 10 | 29-357 | 21-039 |
| 13290 | 25 | 0-225 | 8-650 | 13362 | 49 | 23-953 | 10-561 | 13434 | 42 | 0-876 | 14-236 | 13506 | 15 | 7-983 | 17-152 | 13578 | 14 | 29-414 | 21-715 |
| 13291 | 10 | 3-398 | 8-234 | 13363 | 22 | 24-128 | 10-134 | 13435 | 27 | 1-646 | 14-668 | 13507 | 9 | 8-490 | 17-772 | 13579 | 27 | 29-662 | 21-864 |
| 13292 | 10 | 5-924</ | | | | | | | | | | | | | | | | | |

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|-------|----|---------|--------|--|-------|----|--------|-------|-------|----|--------|-------|-------|-------|--------|--------|
| 13590 | 25 | 12-55.4 | 21-888 | R.A. 6^h 20^m Plate 928; 1916 Dec. 20. <i>Provisional Constants.</i> A B C -02563 +00023 +3265 D E F -00034 -02601 -2406 $Mag. = 16.6 - 4.09 \sqrt{d}$ | 13756 | 13 | 10-467 | 3-166 | 13828 | 14 | 2-180 | 13900 | 9 | 4-036 | 9-034 | |
| 13591 | 28 | 12-796 | 21-730 | | 13757 | 9 | 10-610 | 3-216 | 13829 | 9 | 3-188 | 6-720 | 13901 | 25 | 11-330 | 9-002 |
| 13592 | 13 | 12-881 | 21-083 | | 13758 | 9 | 10-736 | 3-542 | 13830 | 13 | 5-754 | 6-298 | 13902 | 32 | 15-916 | 9-738 |
| 13593 | 17 | 17-804 | 21-302 | | 13759 | 21 | 10-839 | 3-327 | 13831 | 23 | 7-075 | 6-958 | 13903 | 12 | 17-164 | 9-074 |
| 13594 | 30 | 20-670 | 21-386 | | 13760 | 17 | 11-028 | 3-086 | 13832 | 13 | 9-800 | 6-900 | 13904 | 9 | 18-808 | 9-752 |
| 13595 | 18 | 22-032 | 21-041 | | 13761 | 20 | 11-038 | 3-005 | 13833 | 25 | 10-810 | 6-790 | 13905 | 8 | 22-582 | 9-290 |
| 13596 | 23 | 23-061 | 22-883 | | 13762 | 8 | 11-598 | 3-012 | 13834 | 10 | 10-908 | 6-023 | 13906 | 14 | 22-793 | 9-035 |
| 13597 | 10 | 5-260 | 22-804 | | 13763 | 22 | 12-834 | 3-865 | 13835 | 14 | 12-035 | 6-539 | 13907 | 12 | 23-182 | 9-628 |
| 13598 | 22 | 5-420 | 22-500 | | 13764 | 10 | 13-534 | 3-065 | 13836 | 31 | 14-750 | 6-001 | 13908 | 13 | 1-851 | 10-958 |
| 13599 | 21 | 6-101 | 22-656 | | 13765 | 11 | 13-791 | 3-908 | 13837 | 17 | 15-352 | 6-284 | 13909 | 36 | 1-084 | 10-292 |
| 13600 | 11 | 6-154 | 22-384 | No. d x y 13766 30 13-896 3-358 13838 16 15-960 6-313 13910 26 2-682 10-262 13767 22 14-206 3-111 13839 46 17-033 6-566 13911 10 3-158 10-022 13768 8 14-684 3-541 13840 13 18-098 6-740 13912 27 4-730 10-098 13769 8 15-255 3-541 13841 33 18-896 6-641 13913 44 6-386 10-220 13770 36 15-286 3-042 13842 14 18-924 6-362 13914 20 8-768 10-746 13771 10 16-046 3-827 13843 15 22-268 6-200 13915 46 8-796 10-120 13772 31 16-234 3-383 13844 8 22-881 6-262 13916 12 9-996 10-860 13773 9 16-274 3-095 13845 9 23-756 6-252 13917 20 10-177 10-173 13774 10 16-876 3-474 13846 21 24-007 6-883 13918 17 11-045 10-464 13775 18 19-992 3-207 13847 8 0-448 7-892 13919 27 11-507 10-212 13776 11 21-905 3-634 13848 36 0-682 7-632 13920 19 11-609 10-222 13777 22 22-796 3-610 13849 40 1-700 7-702 13921 8 13-388 10-119 13778 30 24-837 3-153 13850 11 1-826 7-792 13922 10 13-797 10-610 13779 26 25-024 3-025 13851 35 1-857 7-197 13923 21 14-368 10-702 13780 32 3-148 1-499 13852 15 2-292 7-051 13924 34 15-082 10-074 13781 14 3-244 1-430 13853 27 2-646 7-955 13925 10 16-036 10-248 13782 10 5-374 1-100 13854 8 3-040 7-360 13926 8 16-588 10-180 13783 28 5-766 1-447 13855 21 4-792 7-100 13927 30 17-020 10-115 13784 13 6-744 1-220 13856 8 4-932 7-802 13928 11 17-504 10-664 13785 22 7-732 1-086 13857 12 5-634 7-440 13929 8 18-036 10-542 13786 26 8-845 4-022 13858 15 6-188 7-002 13930 10 18-276 10-874 13787 8 9-840 4-482 13859 11 8-742 7-302 13931 10 18-901 10-579 13788 9 12-560 4-788 13860 28 8-813 7-958 13932 44 19-665 10-736 13789 14 13-518 1-852 13861 48 8-904 7-526 13933 21 20-583 10-293 13790 14 14-209 1-636 13862 14 11-088 7-070 13934 17 20-661 10-352 13791 32 15-052 4-798 13863 24 12-174 7-158 13935 12 21-814 10-970 13792 8 15-840 4-401 13864 9 13-270 7-114 13936 33 24-725 10-650 13793 9 16-047 4-532 13865 8 13-421 7-056 13937 20 25-035 10-550 13794 10 17-014 1-630 13866 14 13-886 7-641 13938 15 0-772 11-054 13795 18 21-146 4-340 13867 22 14-191 7-220 13939 10 1-820 11-222 13796 14 24-194 4-743 13868 25 14-206 7-362 13940 18 2-018 11-208 13797 31 24-358 4-145 13869 49 16-920 7-570 13941 33 2-603 11-280 13798 10 0-212 5-302 13870 38 17-122 7-061 13942 20 3-197 11-301 13799 51 0-395 5-171 13871 15 23-162 7-544 13943 13 3-568 11-347 13800 15 1-620 5-983 13872 19 24-236 7-716 13944 8 4-789 11-374 13801 10 2-892 5-767 13873 13 25-390 7-101 13945 9 6-810 11-151 13802 18 2-932 5-100 13874 47 3-052 8-588 13946 10 6-928 11-006 13803 16 4-360 5-576 13875 8 4-540 8-686 13947 14 6-986 11-736 13804 44 5-948 5-378 13876 21 6-684 8-270 13948 18 7-130 11-914 13805 10 8-550 5-300 13877 10 7-157 8-668 13949 10 7-833 11-932 13806 25 8-626 5-065 13878 8 7-283 8-653 13950 17 9-276 11-758 13807 8 12-278 5-870 13879 27 7-124 8-510 13951 50 10-650 11-800 13808 29 14-804 5-448 13880 31 7-516 8-161 13952 12 10-888 11-637 13809 11 15-091 5-301 13881 13 7-662 8-580 13953 15 11-071 11-271 13810 40 15-268 5-750 13882 35 7-924 8-858 13954 21 11-794 11-023 13811 39 15-932 5-250 13883 10 10-367 8-886 13955 13 12-510 11-856 13812 35 17-342 5-318 13884 11 11-063 8-717 13956 12 12-662 11-448 13813 8 17-538 5-498 13885 8 13-178 8-144 13957 11 15-518 11-168 13814 8 18-126 5-972 13886 30 13-462 8-730 13958 14 15-610 11-200 13815 35 18-530 5-616 13887 13 13-934 8-334 13959 10 15-704 11-528 13816 26 18-598 5-766 13888 9 16-414 8-876 13960 10 16-216 11-373 13817 31 21-598 5-974 13889 31 18-524 8-358 13961 40 17-826 11-472 13818 10 22-315 5-552 13890 11 19-749 8-263 13962 24 17-910 11-218 13819 28 23-430 5-686 13891 8 20-886 8-270 13963 11 19-552 11-250 13820 16 24-040 5-023 13892 25 22-364 8-036 13964 10 20-191 11-581 13821 15 25-659 5-998 13893 9 23-659 8-742 13965 26 20-751 11-492 13822 17 25-710 5-703 13894 8 23-974 8-770 13966 12 23-510 11-718 13823 46 0-414 6-779 13895 8 24-223 8-770 13967 18 24-071 11-920 13824 10 1-466 6-031 13896 9 1-186 9-596 13968 11 2-932 12-319 13825 34 1-679 6-133 13897 9 2-116 9-507 13969 11 3-092 12-758 13826 13 2-052 6-812 13898 15 2-157 9-862 13970 9 3-978 12-517 13827 14 2-112 6-922 13899 29 3-274 9-331 13971 31 4-603 12-302 | | | | | | | | | | | | |

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|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
| 13972 | 36 | 6-166 | 12-212 | 14044 | 10 | 0-340 | 15-142 | 14116 | 10 | 6-690 | 18-650 | 14188 | 27 | 15-698 | 21-780 | 14260 | 11 | 4-428 | 25-086 |
| 13973 | 18 | 6-643 | 12-907 | 14045 | 52 | 0-404 | 15-248 | 14117 | 24 | 7-373 | 18-304 | 14189 | 12 | 15-731 | 21-980 | 14261 | 61 | 11-052 | 25-601 |
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| 14346 | 21 | 3-613 | 3-168 | 14418 | 33 | 19-234 | 6-859 | 14490 | 25 | 16-074 | 10-206 | 14562 | 9 | 3-028 | 14-474 | 14634 | 13 | 23-982 | 17-420 |
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|-------|----|--------|--------|-------|----|--------|--------|-------|-----|--------|-------|-------|----|--------|-------|-------|----|--------|--------|
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| 14724 | 15 | 1-150 | 23-694 | | | | | 14867 | 22 | 3-757 | 3-502 | 14939 | 11 | 23-671 | 5-912 | 15011 | 10 | 24-018 | 8-148 |
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| 15098 | 8 | 1-804 | 12-082 | 15170 | 28 | 11-910 | 14-874 | 15242 | 34 | 23-635 | 16-600 | 15314 | 35 | 6-487 | 19-964 | 15386 | 34 | 14-082 | 21-592 |
| 15099 | 32 | 1-978 | 12-792 | 15171 | 11 | 11-978 | 14-834 | 15243 | 11 | 24-932 | 16-646 | 15315 | 23 | 7-626 | 19-562 | 15387 | 30 | 15-152 | 21-864 |
| 15100 | 32 | 2-055 | 12-502 | 15172 | 10 | 12-323 | 14-416 | 15244 | 20 | 25-074 | 16-904 | 15316 | 22 | 9-127 | 19-342 | 15388 | 12 | 15-306 | 21-584 |
| 15101 | 36 | 2-200 | 12-209 | 15173 | 17 | 12-951 | 14-794 | 15245 | 28 | 25-510 | 16-143 | 15317 | 18 | 9-374 | 19-694 | 15389 | 24 | 16-400 | 21-580 |
| 15102 | 33 | 2-591 | 12-130 | 15174 | 16 | 13-526 | 14-676 | 15246 | 16 | 0-448 | 17-946 | 15318 | 22 | 14-497 | 19-434 | 15390 | 16 | 16-751 | 21-300 |
| 15103 | 18 | 2-664 | 12-570 | 15175 | 13 | 14-444 | 14-760 | 15247 | 42 | 0-878 | 17-910 | 15319 | 18 | 14-555 | 19-233 | 15391 | 26 | 18-834 | 21-673 |
| 15104 | 32 | 2-885 | 12-287 | 15176 | 20 | 14-570 | 14-670 | 15248* | 72 | 1-984 | 17-274 | 15320 | 22 | 14-670 | 19-241 | 15392 | 8 | 20-900 | 21-780 |
| 15105 | 9 | 4-746 | 12-953 | 15177 | 21 | 14-668 | 14-686 | 15249 | 22 | 2-074 | 17-610 | 15321 | 26 | 14-822 | 19-600 | 15393 | 20 | 21-630 | 21-628 |
| 15106 | 20 | 8-054 | 12-680 | 15178 | 40 | 15-060 | 14-815 | 15250 | 8 | 3-054 | 17-648 | 15322* | 40 | 15-631 | 19-665 | 15394 | 16 | 23-605 | 21-696 |
| 15107 | 26 | 9-130 | 12-620 | 15179 | 14 | 15-836 | 14-518 | 15251 | 35 | 3-207 | 17-316 | 15323 | 10 | 15-668 | 19-904 | 15395 | 37 | 25-332 | 21-335 |
| 15108 | 36 | 9-821 | 12-873 | 15180 | 16 | 16-583 | 14-849 | 15252 | 12 | 6-066 | 17-496 | 15324 | 21 | 15-972 | 19-012 | 15396 | 29 | 2-276 | 22-372 |
| 15109 | 25 | 11-058 | 12-676 | 15181 | 37 | 16-650 | 14-211 | 15253 | 10 | 6-071 | 17-466 | 15325 | 19 | 16-046 | 19-908 | 15397 | 10 | 3-880 | 22-760 |
| 15110 | 12 | 11-170 | 12-808 | 15182 | 17 | 17-029 | 14-642 | 15254 | 35 | 6-660 | 17-738 | 15326 | 22 | 16-059 | 19-334 | 15398 | 14 | 5-283 | 22-472 |
| 15111 | 10 | 12-545 | 12-088 | 15183 | 39 | 17-629 | 14-246 | 15255 | 15 | 6-564 | 17-052 | 15327 | 41 | 16-222 | 19-268 | 15399 | 25 | 9-880 | 22-518 |
| 15112* | 54 | 12-705 | 12-467 | 15184 | 10 | 18-710 | 14-526 | 15256 | 23 | 6-588 | 17-074 | 15328 | 13 | 16-250 | 19-855 | 15400 | 10 | 10-356 | 22-110 |
| 15113 | 21 | 13-620 | 12-732 | 15185 | 14 | 18-740 | 14-150 | 15257 | 33 | 6-834 | 17-408 | 15329 | 10 | 16-570 | 19-668 | 15401* | 41 | 11-209 | 22-654 |
| 15114 | 8 | 13-714 | 12-683 | 15186 | 20 | 19-376 | 14-874 | 15258 | 10 | 9-600 | 17-156 | 15330 | 15 | 16-958 | 19-672 | 15402 | 16 | 12-031 | 22-154 |
| 15115 | 13 | 15-164 | 12-916 | 15187 | 13 | 19-458 | 14-436 | 15259 | 30 | 9-642 | 17-420 | 15331* | 40 | 17-018 | 19-164 | 15403 | 32 | 13-515 | 22-873 |
| 15116 | 10 | 16-650 | 12-734 | 15188 | 30 | 20-340 | 14-474 | 15260 | 11 | 11-754 | 17-718 | 15332 | 8 | 17-801 | 19-986 | 15404 | 13 | 14-286 | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------------------------------------|----|--------|-------|-------|----|--------|-------|-------|----|--------|-------|-------|----|--------|--------|
| 15415 | 10 | 21.775 | 22.154 | R.A. 6 ^h 44 ^m | | | | 15556 | 16 | 13.257 | 2.844 | 15628 | 27 | 13.394 | 5.834 | 15700 | 8 | 12.872 | 8.407 |
| 15416 | 12 | 23.173 | 22.234 | Plate 932 : 1916 Dec. 21. | | | | 15557 | 9 | 13.043 | 2.110 | 15629 | 34 | 14.504 | 5.950 | 15701 | 32 | 13.052 | 8.608 |
| 15417 | 32 | 24.458 | 22.445 | | | | | 15558 | 17 | 15.476 | 2.858 | 15630 | 13 | 15.060 | 5.031 | 15702 | 13 | 13.320 | 8.323 |
| 15418 | 15 | 1.387 | 23.400 | | | | | 15559 | 10 | 17.013 | 2.634 | 15631 | 10 | 16.009 | 5.550 | 15703 | 9 | 13.305 | 8.851 |
| 15419 | 22 | 1.844 | 23.154 | Provisional Constants. | | | | 15560 | 39 | 19.442 | 2.897 | 15632 | 9 | 17.132 | 5.008 | 15704 | 20 | 14.826 | 8.040 |
| 15420 | 10 | 5.130 | 23.880 | | | | | 15561 | 10 | 21.235 | 2.258 | 15633 | 33 | 17.604 | 5.324 | 15705 | 12 | 15.378 | 8.344 |
| 15421 | 10 | 5.700 | 23.382 | | | | | 15562 | 31 | 22.102 | 2.957 | 15634 | 31 | 18.068 | 5.684 | 15706 | 18 | 15.439 | 8.678 |
| 15422 | 16 | 5.846 | 23.044 | A B C | | | | 15563 | 8 | 0.026 | 3.016 | 15635 | 8 | 19.676 | 5.031 | 15707 | 20 | 15.559 | 8.030 |
| 15423 | 24 | 7.106 | 23.591 | -02580 -00171 +2122 | | | | 15564 | 25 | 0.054 | 3.290 | 15636 | 20 | 24.752 | 5.800 | 15708 | 13 | 16.221 | 8.042 |
| 15424 | 38 | 7.822 | 23.310 | | | | | 15565 | 14 | 0.127 | 3.569 | 15637 | 14 | 25.144 | 5.334 | 15709 | 11 | 16.470 | 8.071 |
| 15425 | 27 | 8.860 | 23.867 | | | | | 15566 | 10 | 0.615 | 3.039 | 15638 | 9 | 25.258 | 5.356 | 15710 | 9 | 17.851 | 8.237 |
| 15426 | 8 | 9.621 | 23.288 | D E F | | | | 15567 | 10 | 1.437 | 3.528 | 15639 | 10 | 0.328 | 6.368 | 15711 | 13 | 18.663 | 8.366 |
| 15427 | 12 | 9.683 | 23.990 | +00154 -02602 -2740 | | | | 15568 | 11 | 2.018 | 3.149 | 15640 | 36 | 0.534 | 6.308 | 15712 | 41 | 19.024 | 8.831 |
| 15428 | 32 | 10.048 | 23.666 | May. = 17.0 - 1.09√d | | | | 15569 | 13 | 2.832 | 3.646 | 15641 | 9 | 0.710 | 6.460 | 15713 | 19 | 19.053 | 8.726 |
| 15429 | 11 | 10.170 | 23.978 | | | | | 15570 | 20 | 3.078 | 3.588 | 15642 | 9 | 2.565 | 6.508 | 15714 | 14 | 19.388 | 8.500 |
| 15430 | 35 | 10.735 | 23.000 | | | | | 15571 | 11 | 4.096 | 3.949 | 15643 | 80 | 3.053 | 6.106 | 15715 | 12 | 20.178 | 8.302 |
| 15431 | 8 | 12.354 | 23.164 | No. | d | x | y | 15572 | 10 | 9.667 | 3.432 | 15644 | 24 | 4.204 | 6.746 | 15716 | 10 | 20.282 | 8.236 |
| 15432 | 24 | 12.470 | 23.134 | 15501 | 10 | 0.422 | 0.832 | 15573 | 15 | 11.247 | 3.727 | 15645 | 10 | 5.622 | 6.028 | 15717 | 30 | 20.858 | 8.486 |
| 15433 | 12 | 12.755 | 23.860 | 15502 | 50 | 2.634 | 0.867 | 15574 | 13 | 11.250 | 3.992 | 15646 | 30 | 7.345 | 6.600 | 15718 | 18 | 21.858 | 8.162 |
| 15434 | 39 | 13.533 | 23.897 | 15503 | 14 | 3.653 | 0.004 | 15575 | 21 | 12.456 | 3.320 | 15647 | 50 | 7.600 | 6.804 | 15719 | 28 | 23.006 | 8.482 |
| 15435 | 11 | 15.207 | 23.383 | 15504 | 11 | 3.778 | 0.362 | 15576 | 19 | 15.266 | 3.371 | 15648 | 14 | 7.866 | 6.162 | 15720 | 18 | 0.272 | 9.897 |
| 15436 | 17 | 15.685 | 23.134 | 15505 | 24 | 4.031 | 0.578 | 15577 | 40 | 15.273 | 3.141 | 15649 | 8 | 8.963 | 6.125 | 15721 | 28 | 0.274 | 9.754 |
| 15437 | 31 | 18.158 | 23.812 | 15506 | 8 | 4.284 | 0.056 | 15578 | 12 | 15.953 | 3.782 | 15650 | 14 | 10.816 | 6.889 | 15722 | 19 | 3.028 | 9.882 |
| 15438 | 11 | 18.850 | 23.554 | 15507 | 9 | 4.434 | 0.619 | 15579 | 9 | 16.812 | 3.061 | 15651 | 16 | 12.510 | 6.774 | 15723 | 24 | 7.280 | 9.806 |
| 15439 | 38 | 19.922 | 23.037 | 15508 | 26 | 5.350 | 0.882 | 15580 | 28 | 17.288 | 3.205 | 15652 | 29 | 16.964 | 6.110 | 15724 | 8 | 9.349 | 9.326 |
| 15440 | 32 | 21.660 | 23.238 | 15509 | 12 | 7.264 | 0.150 | 15581 | 28 | 17.718 | 3.383 | 15653 | 35 | 17.250 | 6.879 | 15725 | 9 | 12.588 | 9.118 |
| 15441 | 22 | 23.344 | 23.802 | 15510 | 38 | 7.735 | 0.324 | 15582 | 15 | 18.032 | 3.575 | 15654 | 45 | 17.718 | 6.640 | 15726 | 9 | 12.674 | 9.818 |
| 15442 | 9 | 23.763 | 23.012 | 15511 | 13 | 9.189 | 0.160 | 15583 | 25 | 18.154 | 3.914 | 15655 | 51 | 18.298 | 6.606 | 15727 | 8 | 12.742 | 9.888 |
| 15443 | 13 | 2.086 | 24.521 | 15512 | 42 | 9.312 | 0.330 | 15584 | 11 | 18.600 | 3.267 | 15656 | 21 | 18.663 | 6.262 | 15728 | 10 | 13.478 | 9.546 |
| 15444 | 20 | 2.851 | 24.754 | 15513 | 24 | 11.860 | 0.606 | 15585 | 14 | 19.192 | 3.732 | 15657 | 10 | 20.574 | 6.097 | 15729 | 12 | 16.566 | 9.260 |
| 15445 | 10 | 6.104 | 24.266 | 15514 | 10 | 11.228 | 0.847 | 15586 | 9 | 19.688 | 3.023 | 15658 | 11 | 21.448 | 6.881 | 15730 | 25 | 17.518 | 9.094 |
| 15446 | 23 | 6.559 | 24.964 | 15515 | 26 | 12.004 | 0.004 | 15587 | 25 | 19.930 | 3.532 | 15659 | 41 | 23.088 | 6.828 | 15731 | 10 | 17.888 | 9.172 |
| 15447 | 16 | 7.666 | 24.250 | 15516 | 31 | 14.089 | 0.018 | 15588 | 8 | 24.192 | 3.573 | 15660 | 28 | 23.117 | 6.924 | 15732 | 19 | 18.110 | 9.984 |
| 15448 | 33 | 10.802 | 24.142 | 15517 | 11 | 14.510 | 0.432 | 15589 | 60 | 1.168 | 4.219 | 15661 | 17 | 23.509 | 6.562 | 15733 | 19 | 18.942 | 9.598 |
| 15449 | 27 | 12.532 | 24.988 | 15518 | 12 | 17.428 | 0.470 | 15590 | 32 | 2.134 | 4.184 | 15662 | 46 | 24.747 | 6.936 | 15734 | 19 | 18.944 | 9.275 |
| 15450 | 10 | 12.578 | 24.162 | 15519 | 9 | 18.010 | 0.044 | 15591 | 9 | 3.386 | 4.374 | 15663 | 13 | 24.818 | 6.679 | 15735 | 14 | 20.302 | 9.979 |
| 15451 | 13 | 13.070 | 24.864 | 15520 | 34 | 18.678 | 0.955 | 15592 | 16 | 7.001 | 4.062 | 15664 | 9 | 1.146 | 7.018 | 15736 | 20 | 21.208 | 9.270 |
| 15452 | 26 | 15.100 | 24.260 | 15521 | 18 | 19.330 | 0.604 | 15593 | 8 | 7.806 | 4.046 | 15665 | 28 | 2.100 | 7.025 | 15737 | 28 | 21.480 | 9.476 |
| 15453 | 45 | 18.571 | 24.000 | 15522 | 11 | 23.618 | 0.160 | 15594 | 13 | 8.436 | 4.248 | 15666 | 10 | 2.858 | 7.338 | 15738 | 26 | 24.360 | 9.026 |
| 15454 | 43 | 20.536 | 24.737 | 15523 | 21 | 25.083 | 0.197 | 15595 | 12 | 8.567 | 4.079 | 15667 | 10 | 6.413 | 7.270 | 15739 | 13 | 0.600 | 10.148 |
| 15455 | 26 | 21.533 | 24.933 | 15524 | 13 | 2.506 | 1.226 | 15596 | 10 | 10.134 | 4.683 | 15668 | 53 | 7.554 | 7.124 | 15740 | 13 | 1.171 | 10.380 |
| 15456 | 9 | 22.586 | 24.248 | 15525 | 9 | 6.022 | 1.817 | 15597 | 14 | 11.044 | 4.833 | 15669 | 25 | 11.361 | 7.472 | 15741 | 8 | 1.262 | 10.882 |
| 15457 | 22 | 23.657 | 24.472 | 15526 | 31 | 10.178 | 1.726 | 15598 | 10 | 13.047 | 4.302 | 15670 | 19 | 15.218 | 7.354 | 15742 | 33 | 1.540 | 10.718 |
| 15458 | 22 | 24.072 | 24.719 | 15527 | 13 | 10.852 | 1.758 | 15599 | 12 | 13.992 | 4.374 | 15671 | 33 | 13.510 | 7.358 | 15743 | 34 | 2.468 | 10.640 |
| 15459 | 12 | 24.092 | 24.726 | 15528 | 29 | 10.898 | 1.192 | 15600 | 9 | 13.950 | 4.987 | 15672 | 45 | 13.670 | 7.362 | 15744 | 35 | 2.582 | 10.634 |
| 15460 | 14 | 24.294 | 24.740 | 15529 | 11 | 12.186 | 1.558 | 15601 | 13 | 14.204 | 4.634 | 15673 | 27 | 14.789 | 7.206 | 15745 | 11 | 3.841 | 10.656 |
| 15461 | 34 | 25.146 | 24.828 | 15530 | 32 | 13.544 | 1.380 | 15602 | 11 | 15.128 | 4.090 | 15674 | 13 | 15.048 | 7.646 | 15746 | 10 | 4.146 | 10.952 |
| 15462 | 16 | 25.742 | 24.128 | 15531 | 9 | 13.593 | 1.005 | 15603 | 65 | 15.316 | 4.795 | 15675 | 8 | 18.620 | 7.780 | 15747 | 10 | 4.525 | 10.988 |
| 15463 | 9 | 25.781 | 24.686 | 15532 | 14 | 15.685 | 1.368 | 15604 | 55 | 15.476 | 4.258 | 15676 | 9 | 19.037 | 7.024 | 15748 | 16 | 4.948 | 10.794 |
| 15464 | 17 | 25.944 | 24.994 | 15533 | 8 | 17.321 | 1.659 | 15605 | 18 | 17.286 | 4.818 | 15677 | 17 | 20.968 | 7.407 | 15749 | 20 | 5.212 | 10.330 |
| 15465 | 42 | 2.812 | 25.900 | 15534 | 14 | 17.963 | 1.254 | 15606 | 30 | 17.703 | 4.785 | 15678 | 23 | 21.335 | 7.017 | 15750 | 18 | 5.472 | 10.474 |
| 15466 | 11 | 2.900 | 25.684 | 15535 | 11 | 18.920 | 1.612 | 15607 | 13 | 18.279 | 4.312 | 15679 | 34 | 21.520 | 7.425 | 15751 | 25 | 5.934 | 10.174 |
| 15467 | 17 | 4.544 | 25.532 | 15536 | 31 | 19.083 | 1.993 | 15608 | 25 | 18.725 | 4.778 | 15680 | 10 | 23.292 | 7.432 | 15752 | 12 | 8.108 | 10.448 |
| 15468 | 25 | 5.204 | 25.054 | 15537 | 20 | 20.593 | 1.782 | 15609 | 26 | 19.234 | 4.540 | 15681 | 22 | 23.947 | 7.132 | 15753 | 16 | 8.398 | 10.322 |
| 15469 | 25 | 5.430 | 25.600 | 15538 | 18 | 21.916 | 1.698 | 15610 | 51 | 19.324 | 4.224 | 15682 | 13 | 0.007 | 8.685 | 15754 | 12 | 8.986 | 10.626 |
| 15470 | 30 | 6.236 | 25.826 | 15539 | 29 | 23.302 | 1.954 | 15611 | 50 | 20.374 | 4.442 | 15683 | 15 | 0.017 | 8.143 | 15755 | 8 | 9.474 | 10.830 |
| 15471 | 21 | 8.778 | 25.008 | 15540 | 17 | 23.917 | 1.016 | 15612 | 8 | 21.823 | 4.464 | 15684 | 8 | 0.064 | 8.420 | 15756 | 13 | 10.220 | 10.057 |
| 15472 | 12 | 9.736 | 25.398 | 15541 | 13 | 24.038 | 1.269 | 15613 | 30 | 22.623 | 4.700 | 15685 | 10 | 0.797 | 8.556 | 15757 | 26 | 10.416 | 10.150 |
| 15473 | 10 | 9.886 | 25.821 | 15542 | 40 | 24.558 | 1.631 | 15614 | 8 | 22.842 | 4.770 | 15686 | 21 | 1.126 | 8.494 | 15758 | 8 | 11.426 | 10.958 |
| 15474 | 10 | 10.350 | 25.014 | 15543 | 46 | 2.952 | 2.250 | 15615 | 16 | 23.727 | 4.568 | 15687 | 11 | 1.722 | 8.181 | 15759 | 32 | 12.864 | 10.666 |
| 15475 | 14 | 10.550 | 25.494 | 15544 | 11 | 3.394 | 2.402 | 15616 | 10 | 24.044 | 4.446 | 15688 | 12 | 2.386 | 8.621 | 15760 | 10 | 13.608 | 10.447 |
| 15476 | 27 | 10.926 | 25.740 | 15545 | 11 | 3.483 | 2.131 | 15617 | 40 | 25.722 | 4.538 | 15689 | 18 | 4.500 | 8.663 | 15761 | 10 | 14.423 | 10.705 |
| 15477 | 8 | 12.024 | 25.340 | 15546 | 8 | 3.744 | 2.248 | 15 | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
| 15772 | 35 | 22-024 | 10-528 | 15844 | 25 | 7-624 | 13-462 | 15916 | 38 | 7-506 | 15-880 | 15988 | 39 | 7-593 | 17-930 | 16060 | 12 | 4-372 | 19-506 |
| 15773 | 17 | 23-131 | 10-804 | 15845 | 40 | 7-654 | 13-462 | 15917 | 11 | 8-006 | 15-498 | 15989 | 9 | 7-717 | 17-820 | 16061 | 14 | 4-387 | 19-684 |
| 15774 | 12 | 24-213 | 10-607 | 15846 | 9 | 7-750 | 13-509 | 15918 | 17 | 8-186 | 15-495 | 15990 | 20 | 8-210 | 17-749 | 16062 | 19 | 6-935 | 19-881 |
| 15775 | 13 | 25-078 | 10-749 | 15847 | 8 | 8-550 | 13-744 | 15919 | 39 | 8-652 | 15-498 | 15991 | 12 | 8-376 | 17-758 | 16063 | 21 | 7-614 | 19-949 |
| 15776 | 30 | 25-736 | 10-216 | 15848 | 16 | 8-674 | 13-923 | 15920 | 9 | 9-049 | 15-837 | 15992 | 21 | 8-424 | 17-471 | 16064 | 13 | 8-413 | 19-707 |
| 15777 | 8 | 25-911 | 10-390 | 15849 | 8 | 8-663 | 13-541 | 15921 | 37 | 9-597 | 15-780 | 15993 | 17 | 8-766 | 17-102 | 16065 | 11 | 8-434 | 19-909 |
| 15778 | 16 | 0-176 | 11-328 | 15850 | 17 | 9-474 | 13-703 | 15922 | 9 | 10-568 | 15-601 | 15994 | 15 | 9-456 | 17-412 | 16066 | 17 | 8-625 | 19-044 |
| 15779 | 11 | 1-528 | 11-786 | 15851 | 10 | 9-746 | 13-414 | 15923 | 23 | 12-402 | 15-800 | 15995 | 26 | 10-553 | 17-552 | 16067 | 19 | 8-666 | 19-437 |
| 15780 | 81 | 2-822 | 11-851 | 15852 | 30 | 10-458 | 13-000 | 15924 | 18 | 12-946 | 15-600 | 15996 | 44 | 10-711 | 17-168 | 16068 | 32 | 8-706 | 19-522 |
| 15781 | 15 | 4-008 | 11-009 | 15853 | 8 | 11-614 | 13-901 | 15925 | 16 | 15-104 | 15-874 | 15997 | 39 | 10-914 | 17-564 | 16069 | 15 | 9-110 | 19-512 |
| 15782 | 20 | 4-083 | 11-543 | 15854 | 35 | 11-772 | 13-956 | 15926 | 10 | 15-813 | 15-335 | 15998 | 13 | 10-951 | 17-046 | 16070 | 21 | 10-088 | 19-706 |
| 15783 | 41 | 4-695 | 11-844 | 15855 | 13 | 11-954 | 13-182 | 15927 | 14 | 16-214 | 15-433 | 15999 | 18 | 11-038 | 17-583 | 16071 | 10 | 10-348 | 19-794 |
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| 15785 | 9 | 9-136 | 11-612 | 15857 | 12 | 12-732 | 13-024 | 15929 | 54 | 16-608 | 15-596 | 16001 | 21 | 11-786 | 17-214 | 16073 | 27 | 10-651 | 19-839 |
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| 15796 | 14 | 16-156 | 11-884 | 15868 | 10 | 25-523 | 13-687 | 15940 | 18 | 21-507 | 15-568 | 16012 | 12 | 17-172 | 17-734 | 16084 | 32 | 14-820 | 19-090 |
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| 15798 | 16 | 16-972 | 11-296 | 15870 | 13 | 1-456 | 14-206 | 15942 | 13 | 22-810 | 15-688 | 16014 | 9 | 17-720 | 17-300 | 16086 | 23 | 17-076 | 19-124 |
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| 15804 | 77 | 20-513 | 11-228 | 15876 | 23 | 5-330 | 14-512 | 15948 | 10 | 1-274 | 16-222 | 16020 | 9 | 23-914 | 17-597 | 16092 | 8 | 22-258 | 19-382 |
| 15805 | 22 | 22-366 | 11-500 | 15877 | 10 | 6-580 | 14-751 | 15949 | 32 | 1-393 | 16-033 | 16021 | 11 | 24-452 | 17-758 | 16093 | 15 | 23-582 | 19-074 |
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| 15833 | 31 | 21-971 | 12-904 | 15905 | 10 | 1-770 | 15-939 | 15977 | 10 | 22-962 | 16-178 | 16049 | 20 | 20-700 | 18-658 | 16121 | 12 | 23- | |

| | | | | | | | | | | | | | | | |
|--------|----|--------|--------|--------|----|--------|--------|--------|-----|--------|-------|--------|----|--------|-------|
| 16132 | 13 | 9.535 | 21.657 | 16204 | 13 | 2.110 | 24.770 | 16356 | 10 | 11.017 | 2.709 | 16428 | 60 | 4.492 | 5.533 |
| 16133 | 32 | 9.972 | 21.206 | 16205 | 35 | 2.963 | 24.852 | 16357 | 12 | 12.038 | 2.208 | 16429 | 9 | 4.888 | 5.419 |
| 16134 | 17 | 10.810 | 21.120 | 16206 | 15 | 3.556 | 24.150 | 16358 | 21 | 12.719 | 2.704 | 16430 | 11 | 5.810 | 5.339 |
| 16135 | 36 | 11.716 | 21.608 | 16207 | 9 | 3.598 | 24.706 | 16359 | 16 | 12.872 | 2.605 | 16431* | 80 | 6.350 | 5.789 |
| 16136 | 42 | 12.022 | 21.800 | 16208 | 14 | 3.891 | 24.882 | 16360 | 15 | 13.017 | 2.329 | 16432 | 21 | 6.842 | 5.248 |
| 16137 | 9 | 12.228 | 21.538 | 16209 | 16 | 5.787 | 24.182 | 16361 | 17 | 13.115 | 2.372 | 16433 | 11 | 7.326 | 5.152 |
| 16138 | 38 | 12.898 | 21.958 | 16210 | 32 | 6.598 | 24.162 | 16362 | 22 | 12.774 | 2.260 | 16434 | 21 | 8.570 | 5.192 |
| 16139 | 11 | 13.407 | 21.674 | 16211 | 10 | 7.967 | 24.470 | 16363 | 43 | 17.904 | 2.903 | 16435 | 12 | 9.647 | 5.748 |
| 16140 | 22 | 14.070 | 21.190 | 16212 | 46 | 8.115 | 24.152 | 16364 | 10 | 20.950 | 2.650 | 16436 | 13 | 10.758 | 5.280 |
| 16141 | 25 | 14.552 | 21.088 | 16213 | 29 | 8.536 | 24.905 | 16365 | 50 | 21.240 | 2.038 | 16437 | 33 | 11.366 | 5.834 |
| 16142 | 15 | 15.562 | 21.142 | 16214 | 8 | 8.930 | 24.322 | 16366 | 11 | 23.240 | 2.394 | 16438 | 18 | 11.560 | 5.078 |
| 16143 | 14 | 17.322 | 21.114 | 16215 | 39 | 9.019 | 24.532 | 16367 | 13 | 24.834 | 2.766 | 16439 | 10 | 12.207 | 5.069 |
| 16144 | 12 | 17.530 | 21.202 | 16216 | 11 | 9.694 | 24.993 | 16368* | 70 | 24.862 | 2.579 | 16440 | 11 | 12.844 | 5.524 |
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| 16146 | 17 | 18.572 | 21.990 | 16218 | 20 | 10.588 | 24.362 | 16370 | 24 | 26.420 | 3.682 | 16442 | 11 | 13.530 | 5.021 |
| 16147 | 11 | 21.621 | 21.728 | 16219 | 13 | 11.450 | 24.812 | 16371 | 11 | 6.532 | 3.831 | 16443 | 8 | 13.834 | 5.372 |
| 16148 | 15 | 23.004 | 21.782 | 16220 | 34 | 11.778 | 24.314 | 16372 | 60 | 7.090 | 3.691 | 16444 | 12 | 14.516 | 5.497 |
| 16149 | 20 | 23.716 | 21.354 | 16221 | 9 | 12.956 | 24.738 | 16373 | 79 | 7.510 | 3.880 | 16445 | 11 | 14.860 | 5.518 |
| 16150 | 10 | 25.199 | 21.040 | 16222 | 26 | 13.105 | 24.316 | 16374 | 11 | 9.448 | 3.757 | 16446 | 11 | 16.790 | 5.788 |
| 16151 | 9 | 0.626 | 22.684 | 16223 | 14 | 13.278 | 24.134 | 16375 | 9 | 9.670 | 3.070 | 16447 | 10 | 17.040 | 5.276 |
| 16152 | 9 | 0.972 | 22.270 | 16224 | 31 | 15.259 | 24.701 | 16376 | 39 | 11.167 | 3.066 | 16448 | 54 | 17.255 | 5.078 |
| 16153 | 26 | 2.258 | 22.472 | 16225 | 37 | 16.380 | 24.603 | 16377 | 21 | 11.720 | 3.921 | 16449 | 52 | 17.393 | 5.588 |
| 16154 | 8 | 4.415 | 22.153 | 16226 | 19 | 16.386 | 24.602 | 16378 | 15 | 11.744 | 3.023 | 16450 | 17 | 18.306 | 5.411 |
| 16155 | 10 | 6.194 | 22.473 | 16227 | 18 | 16.446 | 24.319 | 16379 | 10 | 12.008 | 3.305 | 16451 | 12 | 21.372 | 5.173 |
| 16156 | 25 | 7.197 | 22.678 | 16228* | 41 | 16.974 | 24.644 | 16380 | 19 | 12.671 | 3.461 | 16452 | 12 | 21.536 | 5.330 |
| 16157 | 11 | 7.726 | 22.716 | 16229 | 26 | 17.292 | 24.487 | 16381 | 17 | 13.651 | 3.939 | 16453 | 47 | 23.030 | 5.398 |
| 16158 | 14 | 7.814 | 22.890 | 16230 | 33 | 17.740 | 24.886 | 16382 | 12 | 14.340 | 3.835 | 16454 | 9 | 24.138 | 5.262 |
| 16159 | 8 | 9.526 | 22.163 | 16231 | 10 | 19.600 | 24.458 | 16383 | 10 | 14.704 | 3.742 | 16455 | 13 | 24.500 | 5.018 |
| 16160 | 17 | 10.062 | 22.643 | 16232 | 12 | 19.782 | 24.070 | 16384 | 18 | 15.150 | 3.876 | 16456* | 60 | 0.937 | 6.716 |
| 16161 | 15 | 10.161 | 22.210 | 16233 | 24 | 20.375 | 24.883 | 16385 | 70 | 15.699 | 3.203 | 16457 | 32 | 0.970 | 6.809 |
| 16162 | 20 | 10.206 | 22.758 | 16234 | 13 | 21.318 | 24.556 | 16386 | 62 | 15.735 | 3.175 | 16458 | 27 | 1.356 | 6.446 |
| 16163 | 10 | 10.402 | 22.570 | 16235 | 11 | 21.354 | 24.921 | 16387 | 22 | 17.991 | 3.551 | 16459* | 74 | 2.596 | 6.805 |
| 16164 | 21 | 11.944 | 22.500 | 16236 | 28 | 23.412 | 24.376 | 16388 | 49 | 18.668 | 3.420 | 16460 | 22 | 2.667 | 6.548 |
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| 16166 | 36 | 12.825 | 23.336 | 16238 | 45 | 25.414 | 24.206 | 16390 | 15 | 20.683 | 3.500 | 16462 | 28 | 5.300 | 6.670 |
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| 16168 | 10 | 15.948 | 22.150 | 16240 | 19 | 3.762 | 25.013 | 16392 | 14 | 23.215 | 3.394 | 16464 | 10 | 7.176 | 6.036 |
| 16169 | 9 | 16.268 | 22.414 | 16241 | 10 | 3.775 | 25.124 | 16393 | 14 | 23.544 | 3.849 | 16465 | 11 | 7.490 | 6.220 |
| 16170 | 10 | 18.857 | 22.776 | 16242 | 14 | 4.956 | 25.592 | 16394 | 38 | 0.450 | 4.593 | 16466 | 28 | 7.840 | 6.094 |
| 16171 | 9 | 20.112 | 22.337 | 16243 | 53 | 5.386 | 25.430 | 16395 | 20 | 1.558 | 4.447 | 16467 | 32 | 7.944 | 6.012 |
| 16172 | 32 | 22.278 | 22.756 | 16244 | 12 | 6.138 | 25.138 | 16396 | 12 | 1.860 | 4.326 | 16468 | 11 | 8.340 | 6.270 |
| 16173 | 14 | 23.154 | 22.648 | 16245 | 10 | 6.154 | 25.018 | 16397 | 62 | 3.544 | 4.396 | 16469 | 21 | 10.676 | 6.535 |
| 16174 | 20 | 25.656 | 22.267 | 16246 | 12 | 6.782 | 25.632 | 16398 | 13 | 3.668 | 4.915 | 16470 | 23 | 10.700 | 6.031 |
| 16175 | 15 | 1.152 | 23.838 | 16247 | 10 | 6.026 | 25.818 | 16399 | 22 | 3.968 | 4.010 | 16471* | 62 | 13.133 | 6.834 |
| 16176 | 8 | 1.566 | 23.042 | 16248 | 8 | 7.459 | 25.244 | 16400* | 105 | 4.838 | 4.413 | 16472 | 11 | 13.336 | 6.216 |
| 16177 | 8 | 2.532 | 23.474 | 16249 | 14 | 8.320 | 25.510 | 16401 | 11 | 4.922 | 4.205 | 16473 | 63 | 13.675 | 6.400 |
| 16178 | 31 | 4.722 | 23.430 | 16250 | 9 | 8.518 | 25.523 | 16402 | 11 | 5.082 | 4.146 | 16474 | 15 | 13.937 | 6.708 |
| 16179 | 10 | 5.076 | 23.802 | 16251 | 36 | 8.668 | 25.372 | 16403 | 11 | 7.260 | 4.174 | 16475 | 62 | 14.450 | 6.061 |
| 16180 | 16 | 5.430 | 23.548 | 16252 | 11 | 10.388 | 25.574 | 16404 | 20 | 7.320 | 4.026 | 16476 | 10 | 14.740 | 6.880 |
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| 16185 | 8 | 11.160 | 23.210 | 16257 | 16 | 13.771 | 25.180 | 16409 | 18 | 13.230 | 4.181 | 16481 | 34 | 17.018 | 6.538 |
| 16186 | 15 | 11.410 | 23.834 | 16258 | 18 | 14.330 | 25.438 | 16410 | 10 | 13.573 | 4.513 | 16482 | 9 | 17.072 | 6.355 |
| 16187 | 14 | 12.436 | 23.617 | 16259 | 18 | 14.913 | 25.133 | 16411 | 26 | 13.839 | 4.581 | 16483 | 20 | 17.438 | 6.484 |
| 16188 | 44 | 12.984 | 23.993 | 16260 | 20 | 16.158 | 25.382 | 16412 | 13 | 14.030 | 4.970 | 16484 | 13 | 17.504 | 6.765 |
| 16189 | 9 | 13.320 | 23.840 | 16261 | 20 | 17.942 | 25.038 | 16413 | 17 | 16.170 | 4.644 | 16485 | 14 | 18.330 | 6.720 |
| 16190 | 25 | 13.498 | 23.174 | 16262 | 13 | 18.384 | 25.811 | 16414 | 11 | 16.320 | 4.794 | 16486 | 12 | 18.646 | 6.290 |
| 16191 | 16 | 13.580 | 23.443 | 16263 | 10 | 19.310 | 25.375 | 16415 | 22 | 16.760 | 4.600 | 16487 | 12 | 19.786 | 6.071 |
| 16192 | 39 | 13.593 | 23.871 | 16264 | 12 | 19.543 | 25.471 | 16416 | 14 | 17.086 | 4.900 | 16488 | 63 | 20.211 | 6.620 |
| 16193 | 10 | 14.921 | 23.671 | 16265 | 24 | 19.942 | 25.280 | 16417 | 40 | 17.619 | 4.954 | 16489 | 13 | 21.544 | 6.071 |
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| 16195 | 32 | 16.305 | 23.148 | 16267 | 18 | 20.308 | 25.347 | 16419 | 10 | 19.278 | 4.504 | 16491 | 20 | 24.502 | 6.400 |
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| 16197 | 53 | 17.982 | 23.049 | 16269 | 39 | 21.690 | 25.934 | 16421 | 46 | 20.390 | 4.514 | 16493 | 32 | 1.800 | 7.009 |
| 16198 | 18 | 19.903 | 23.140 | 16270 | 15 | 21.757 | 25.344 | 16422 | 29 | 22.590 | 4.054 | 16494 | 11 | 2.674 | 7.526 |
| 16199 | 8 | 21.631 | 23.033 | 16271 | 14 | 22.004 | 25.630 | 16423 | 10 | 24.283 | 4.795 | 16495 | 14 | 6.780 | 7.340 |
| 16200 | 10 | 24.710 | 23.725 | 16272 | 17 | 23.886 | 25.608 | 16424 | 23 | 2.592 | 5.670 | 16496 | 10 | 7.921 | 7.952 |
| 16201 | 8 | 0.400 | 24.284 | 16273 | 15 | 24.358 | 25.149 | 16425 | 26 | 2.980 | 5.196 | 16497 | 41 | 8.402 | 7.600 |
| 16202 | 17 | 1.472 | 24.505 | | | | | 16426 | 10 | 3.111 | 5.771 | 16498 | 13 | 9.367 | 7.700 |
| 16203 | 18 | 1.888 | 24.750 | | | | | 16427 | 12 | 3.368 | 5.216 | 16499 | 46 | 9.464 | 7.658 |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|-------|-------|-----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|-----|--------|--------|
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| 17236 | 14 | 11-031 | 1-012 | 17308 | 28 | 19-821 | 3-612 | 17380 | 12 | 19-394 | 5-465 | 17452 | 22 | 20-825 | 7-802 | 17524 | 20 | 8-410 | 9-833 |
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| 17937 | 17 | 16-120 | 18-509 | 18009 | 27 | 6-126 | 20-464 | 18081 | 10 | 16-644 | 21-970 | 18153 | 42 | 10-478 | 23-426 | 18225 | 32 | 10-018 | 25-134 |
| 17938 | 11 | 16-486 | 18-570 | 18010 | 12 | 6-243 | 20-485 | 18082 | 12 | 17-616 | 21-196 | 18154 | 27 | 13-250 | 23-858 | 18226 | 25 | 11-222 | 25-524 |
| 17939 | 56 | 16-661 | 18-300 | 18011 | 18 | 6-244 | 20-840 | 18083 | 10 | 18-224 | 21-820 | 18155 | 12 | 13-482 | 23-784 | 18227 | 31 | 12-381 | 25-056 |
| 17940 | 15 | 16-721 | 18-520 | 18012 | 8 | 6-302 | 20-524 | 18084 | 10 | 19-348 | 21-184 | 18156 | 18 | 15-712 | 23-124 | 18228 | 14 | 12-452 | 25-420 |
| 17941 | 21 | 17-448 | 18-916 | 18013 | 18 | 8-001 | 20-882 | 18085 | 14 | 19-551 | 21-754 | 18157 | 12 | 15-885 | 23-088 | 18229 | 32 | 15-774 | 25-232 |
| 17942 | 10 | 17-877 | 18-074 | 18014 | 31 | 9-234 | 20-588 | 18086 | 28 | 19-649 | 21-960 | 18158 | 11 | 16-204 | 23-052 | 18230 | 17 | 16-159 | 25-642 |
| 17943 | 40 | 19-056 | 18-218 | 18015 | 31 | 9-346 | 20-121 | 18087 | 33 | 20-147 | 21-540 | 18159 | 33 | 16-218 | 23-210 | 18231 | 10 | 16-554 | 25-973 |
| 17944 | 41 | 19-070 | 18-414 | 18016 | 29 | 9-832 | 20-096 | 18088 | 14 | 20-238 | 21-154 | 18160 | 25 | 16-412 | 23-245 | 18232 | 34 | 18-584 | 25-662 |
| 17945 | 45 | 19-581 | 18-290 | 18017 | 16 | 10-027 | 20-038 | 18089 | 23 | 21-160 | 21-460 | 18161 | 22 | 16-920 | 23-366 | 18233 | 13 | 18-622 | 25-590 |
| 17946 | 37 | 19-673 | 18-942 | 18018 | 14 | 10-170 | 20-503 | 18090 | 44 | 25-314 | 21-364 | 18162 | 8 | 17-016 | 23-453 | 18234 | 10 | 18-686 | 25-444 |
| 17947 | 38 | 20-000 | 18-076 | 18019 | 13 | 10-496 | 20-260 | 18091 | 12 | 2-234 | 22-586 | 18163 | 12 | 18-630 | 23-898 | 18235 | 12 | 18-824 | 25-620 |
| 17948 | 34 | 20-086 | 18-216 | 18020 | 24 | 11-756 | 20-232 | 18092 | 12 | 2-563 | 22-392 | 18164 | 21 | 18-676 | 23-160 | 18236 | 10 | 18-983 | 25-937 |
| 17949 | 35 | 21-125 | 18-147 | 18021 | 20 | 11-910 | 20-013 | 18093 | 12 | 2-804 | 22-796 | 18165 | 9 | 18-740 | 23-174 | 18237 | 26 | 20-328 | 25-475 |
| 17950 | 12 | 21-800 | 18-860 | 18022 | 29 | 12-106 | 20-648 | 18094 | 24 | 5-139 | 22-704 | 18166 | 26 | 18-854 | 23-612 | 18238 | 33 | 20-704 | 25-842 |
| 17951 | 31 | 22-108 | 18-388 | 18023 | 12 | 12-330 | 20-752 | 18095 | 17 | 5-876 | 22-280 | 18167 | 40 | 19-282 | 23-696 | 18239 | 52 | 21-170 | 25-648 |
| 17952 | 36 | 22-208 | 18-226 | 18024 | 23 | 13-570 | 20-952 | 18096 | 10 | 6-056 | 22-955 | 18168 | 15 | 19-950 | 23-624 | 18240 | 14 | 23-846 | 25-660 |
| 17953 | 10 | 23-551 | 18-300 | 18025 | 13 | 13-858 | 20-560 | 18097 | 19 | 6-274 | 22-665 | 18169 | 13 | 21-912 | 23-248 | 18241 | 40 | 24-834 | 25-700 |
| 17954 | 15 | 23-850 | 18-381 | 18026 | 19 | 13-910 | 20-452 | 18098 | 20 | 6-360 | 22-570 | 18170 | 10 | 22-342 | 23-734 | | | | |
| 17955 | 9 | 25-700 | 18-256 | 18027 | 12 | 14-166 | 20-922 | 18099 | 15 | 6-496 | 22-127 | 18171 | 18 | 22-750 | 23-330 | | | | |
| 17956 | 32 | 0-820 | 19-058 | 18028 | 50 | 1-710 | 20-178 | 18100 | 24 | 8-466 | 22-939 | 18172 | 22 | 23-228 | 23-330 | | | | |
| 17957 | 20 | 1-612 | 19-310 | 18029 | 52 | 15-523 | 20-682 | 18101 | 12 | 8-576 | 22-203 | 18173 | 29 | 24-161 | 23-358 | | | | |
| 17958 | 11 | 3-605 | 19-310 | 18030 | 10 | 17-015 | 20-764 | 18102 | 12 | 9-133 | 22-494 | 18174 | 15 | 25-744 | 23-607 | | | | |
| 17959 | 12 | 4-061 | 19-212 | 18031 | 18 | 17-267 | 20-650 | 18103 | 25 | 9-887 | 22-930 | 18175 | 14 | 0-194 | 24-736 | | | | |
| 17960 | 17 | 5-181 | 19-305 | 18032 | 10 | 17-466 | 20-354 | 18104 | 27 | 10-025 | 22-498 | 18176 | 24 | 0-676 | 24-945 | | | | |
| 17961 | 31 | 5-374 | 19-120 | 18033 | 23 | 17-910 | 20-000 | 18105 | 10 | 10-610 | 22-733 | 18177 | 103 | 1-497 | 24-515 | | | | |
| 17962 | 20 | 5-981 | 19-666 | 18034 | 22 | 18-496 | 20-804 | 18106 | 10 | 10-831 | 22-101 | 18178 | 12 | 1-498 | 24-575 | | | | |
| 17963 | 22 | 6-378 | 19-852 | 18035 | 19 | 18-772 | 20-886 | 18107 | 10 | 11-357 | 22-831 | 18179 | 10 | 1-781 | 24-668 | | | | |
| 17964 | 31 | 6-880 | 19-334 | 18036 | 12 | 20-121 | 20-600 | 18108 | 13 | 11-596 | 22-808 | 18180 | 10 | 4-215 | 24-380 | | | | |
| 17965 | 10 | 7-350 | 19-256 | 18037 | 33 | 20-417 | 20-537 | 18109 | 13 | 11-624 | 22-098 | 18181 | 28 | 4-290 | 24-624 | | | | |
| 17966 | 28 | 8-107 | 19-732 | 18038 | 18 | 21-640 | 20-940 | 18110 | 17 | 12-375 | 22-550 | 18182 | 25 | 4-944 | 24-366 | | | | |
| 17967 | 67 | 8-167 | 19-812 | 18039 | 25 | 23-319 | 20-876 | 18111 | 25 | 12-496 | 22-950 | 18183 | 26 | 5-000 | 24-766 | | | | |
| 17968 | 44 | 8-533 | 19-130 | 18040 | 22 | 23-342 | 20-977 | 18112 | 29 | 12-670 | 22-493 | 18184 | 19 | 7-100 | 24-856 | | | | |
| 17969 | 10 | 8-580 | 19-554 | 18041 | 18 | 23-649 | 20-470 | 18113 | 27 | 12-820 | 22-977 | 18185 | 15 | 7-526 | 24-266 | | | | |
| 17970 | 16 | 9-386 | 19-126 | 18042 | 29 | 23-664 | 20-642 | 18114 | 40 | 12-911 | 22-422 | 18186 | 12 | 8-383 | 24-801 | | | | |
| 17971 | 10 | 9-930 | 19-340 | 18043 | 25 | 23-902 | 20-864 | 18115 | 21 | 13-580 | 22-900 | 18187 | 24 | 9-057 | 24-100 | | | | |
| 17972 | 8 | 10-616 | 19-948 | 18044 | 21 | 24-561 | 20-771 | 18116 | 15 | 13-824 | 22-340 | 18188 | 41 | 9-502 | 24-061 | | | | |
| 17973 | 12 | 10-688 | 19-600 | 18045 | 23 | 25-248 | 20-690 | 18117 | 21 | 14-284 | 22-470 | 18189 | 25 | 9-765 | 24-260 | | | | |
| 17974 | 26 | 10-976 | 19-926 | 18046 | 10 | 1-789 | 21-340 | 18118 | 31 | 16-508 | 22-072 | 18190 | 10 | 9-877 | 24-998 | | | | |
| 17975 | 17 | 11-222 | 19-500 | 18047 | 33 | 1-812 | 21-656 | 18119 | 21 | 16-734 | 22-418 | 18191 | 13 | 9-918 | 24-547 | | | | |
| 17976 | 25 | 11-427 | 19-718 | 18048 | 25 | 2-573 | 21-568 | 18120 | 24 | 17-700 | 22-268 | 18192 | 33 | 11-334 | 24-778 | | | | |
| 17977 | 15 | 11-676 | 19-851 | 18049 | 15 | 2-621 | 21-768 | 18121 | 11 | 17-880 | 22-286 | 18193 | 10 | 11-441 | 24-593 | | | | |
| 17978 | 24 | 11-804 | 19-372 | 18050 | 51 | 2-736 | 21-654 | 18122 | 12 | 19-006 | 22-703 | 18194 | 38 | 11-928 | 24-921 | | | | |
| 17979 | 13 | 12-362 | 19-676 | 18051 | 10 | 5-020 | 21-648 | 18123 | 24 | 19-352 | 22-904 | 18195 | 16 | 11-948 | 24-650 | | | | |
| 17980 | 36 | 12-738 | 19-250 | 18052 | 12 | 5-048 | 21-618 | 18124 | 20 | 20-000 | 22-906 | 18196 | 33 | 13-400 | 24-804 | | | | |
| 17981 | 20 | 12-936 | 19-618 | 18053 | 11 | 7-086 | 21-277 | 18125 | 23 | 20-364 | 22-100 | 18197 | 26 | 13-446 | 24-425 | | | | |
| 17982 | 10 | 13-166 | 19-907 | 18054 | 11 | 7-136 | 21-416 | 18126 | 10 | 20-389 | 22-576 | 18198 | 21 | 14-178 | 24-554 | | | | |
| 17983 | 10 | 13-586 | 19-524 | 18055 | 28 | 7-680 | 21-156 | 18127 | 43 | 20-392 | 22-402 | 18199 | 80 | 15-113 | 24-764 | | | | |
| 17984 | 9 | 16-368 | 19-788 | 18056 | 13 | 7-754 | 21-030 | 18128 | 10 | 20-979 | 22-126 | 18200 | 12 | 15-118 | 24-510 | | | | |
| 17985 | 10 | 16-941 | 19-351 | 18057 | 20 | 8-848 | 21-557 | 18129 | 15 | 21-813 | 22-386 | 18201 | 32 | 15-207 | 24-602 | | | | |
| 17986 | 17 | 17-228 | 19-028 | 18058 | 13 | 8-955 | 21-542 | 18130 | 18 | 21-916 | 22-570 | 18202 | 12 | 15-344 | 24-654 | | | | |
| 17987 | 9 | 17-286 | 19-138 | 18059 | 10 | 9-036 | 21-890 | 18131 | 29 | 22-006 | 22-426 | 18203 | 20 | 16-466 | 24-075 | | | | |
| 17988 | 13 | 17-900 | 19-170 | 18060 | 10 | 9-101 | 21-040 | 18132 | 9 | 22-730 | 22-242 | 18204 | 43 | 17-314 | 24-190 | | | | |
| 17989 | 10 | 18-335 | 19-602 | 18061 | 26 | 9-215 | 21-924 | 18133 | 14 | 23-540 | 22-708 | 18205 | 12 | 18-375 | 24-768 | | | | |
| 17990 | 10 | 18-516 | 19-515 | 18062 | 35 | 9-320 | 21-964 | 18134 | 10 | 23-846 | 22-406 | 18206 | 29 | 18-572 | 24-213 | | | | |
| 17991 | 32 | 18-547 | 19-526 | 18063 | 12 | 9-526 | 21-966 | 18135 | 9 | 23-887 | 22-458 | 18207 | 16 | 19-505 | 24-360 | | | | |
| 17992 | 10 | 18-750 | 19-365 | 18064 | 30 | 10-120 | 21-860 | 18136 | 25 | 25-196 | 22-423 | 18208 | 20 | 19-938 | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--------|----|--------|-------|--------|----|--------|-------|--------|----|--------|-------|--------|----|--------|-------|--------|----|--------|-------|
| 18272 | 31 | 21°773 | 0°087 | 18344 | 27 | 13°782 | 2°976 | 18416 | 45 | 24°457 | 3°007 | 18488 | 10 | 15°294 | 5°896 | 18560 | 9 | 9°554 | 7°394 |
| 18273 | 19 | 24°801 | 0°099 | 18345 | 12 | 14°800 | 2°337 | 18417 | 33 | 25°040 | 3°848 | 18489 | 12 | 15°890 | 5°262 | 18561 | 15 | 10°875 | 7°474 |
| 18274* | 64 | 2°644 | 1°915 | 18346 | 11 | 15°128 | 2°251 | 18418 | 11 | 0°333 | 4°207 | 18490 | 23 | 16°866 | 5°013 | 18562 | 12 | 11°970 | 7°584 |
| 18275 | 16 | 2°668 | 1°962 | 18347 | 14 | 15°794 | 2°921 | 18419 | 20 | 2°178 | 4°736 | 18491 | 10 | 16°950 | 5°315 | 18563 | 10 | 12°277 | 7°836 |
| 18276 | 20 | 3°716 | 1°161 | 18348 | 10 | 17°128 | 2°953 | 18420 | 25 | 1°490 | 4°456 | 18492 | 17 | 18°154 | 5°812 | 18564 | 26 | 12°495 | 7°680 |
| 18277 | 14 | 3°835 | 1°408 | 18349 | 10 | 17°605 | 2°360 | 18421 | 15 | 1°700 | 4°615 | 18493 | 10 | 18°356 | 5°560 | 18565 | 12 | 12°734 | 7°730 |
| 18278 | 10 | 4°090 | 1°107 | 18350 | 13 | 18°256 | 2°899 | 18422 | 10 | 2°229 | 4°072 | 18494 | 11 | 19°323 | 5°831 | 18566 | 10 | 13°573 | 7°638 |
| 18279 | 16 | 4°730 | 1°590 | 18351 | 15 | 18°525 | 2°116 | 18423 | 44 | 3°164 | 4°931 | 18495 | 14 | 20°016 | 5°844 | 18567 | 16 | 14°310 | 7°864 |
| 18280 | 9 | 4°884 | 1°600 | 18352 | 10 | 18°890 | 2°681 | 18424 | 20 | 4°013 | 4°949 | 18496 | 14 | 20°057 | 5°050 | 18568 | 12 | 14°582 | 7°814 |
| 18281 | 41 | 5°166 | 1°625 | 18353 | 13 | 18°910 | 2°154 | 18425 | 11 | 4°634 | 4°788 | 18497 | 19 | 21°502 | 5°864 | 18569 | 21 | 15°064 | 7°110 |
| 18282 | 16 | 5°322 | 1°284 | 18354 | 10 | 20°074 | 2°443 | 18426 | 12 | 5°760 | 4°836 | 18498 | 11 | 22°318 | 5°904 | 18570 | 36 | 17°582 | 7°902 |
| 18283* | 55 | 6°557 | 1°239 | 18355 | 10 | 20°110 | 2°309 | 18427 | 24 | 5°950 | 4°568 | 18499 | 11 | 22°710 | 5°478 | 18571* | 41 | 17°656 | 7°010 |
| 18284 | 14 | 6°750 | 1°406 | 18356 | 16 | 20°890 | 2°079 | 18428 | 17 | 6°004 | 4°352 | 18500 | 9 | 22°840 | 5°809 | 18572 | 11 | 18°218 | 7°942 |
| 18285 | 11 | 7°044 | 1°017 | 18357 | 28 | 21°079 | 2°891 | 18429 | 8 | 6°500 | 4°516 | 18501 | 14 | 23°437 | 5°476 | 18573 | 10 | 18°386 | 7°510 |
| 18286 | 9 | 7°130 | 1°190 | 18358 | 14 | 21°196 | 2°860 | 18430 | 11 | 7°205 | 4°584 | 18502 | 15 | 23°615 | 5°779 | 18574 | 11 | 19°850 | 7°659 |
| 18287 | 13 | 7°718 | 1°176 | 18359 | 33 | 22°430 | 2°498 | 18431 | 17 | 7°528 | 4°456 | 18503 | 8 | 1°014 | 6°394 | 18575 | 11 | 20°012 | 7°400 |
| 18288 | 13 | 7°898 | 1°554 | 18360 | 8 | 22°670 | 2°624 | 18432 | 10 | 8°150 | 4°534 | 18504 | 12 | 1°936 | 6°404 | 18576 | 10 | 21°130 | 7°276 |
| 18289 | 10 | 9°036 | 1°886 | 18361 | 14 | 23°774 | 2°581 | 18433 | 12 | 9°230 | 4°406 | 18505 | 25 | 2°707 | 6°090 | 18577 | 17 | 21°710 | 7°322 |
| 18290 | 9 | 10°130 | 1°774 | 18362 | 12 | 24°302 | 2°640 | 18434 | 13 | 10°068 | 4°008 | 18506 | 10 | 4°032 | 6°264 | 18578* | 37 | 21°988 | 7°736 |
| 18291 | 12 | 11°478 | 1°474 | 18363 | 24 | 24°370 | 2°686 | 18435 | 10 | 10°252 | 4°419 | 18507 | 12 | 5°507 | 6°685 | 18579 | 10 | 0°960 | 8°311 |
| 18292 | 9 | 11°644 | 1°491 | 18364 | 14 | 24°700 | 2°062 | 18436 | 17 | 10°664 | 4°051 | 18508 | 14 | 5°765 | 6°041 | 18580 | 14 | 1°062 | 8°842 |
| 18293 | 31 | 12°135 | 1°292 | 18365 | 31 | 24°766 | 2°123 | 18437 | 10 | 11°600 | 4°498 | 18509 | 14 | 6°126 | 6°645 | 18581 | 35 | 1°967 | 8°334 |
| 18294* | 45 | 12°343 | 1°054 | 18366 | 13 | 0°833 | 3°738 | 18438 | 9 | 11°835 | 4°822 | 18510* | 82 | 6°636 | 6°705 | 18582 | 12 | 1°997 | 8°898 |
| 18295 | 10 | 12°462 | 1°569 | 18367 | 13 | 1°176 | 3°264 | 18439 | 16 | 11°968 | 4°816 | 18511 | 11 | 6°752 | 6°116 | 18583 | 10 | 2°496 | 8°445 |
| 18296 | 9 | 12°889 | 1°220 | 18368 | 26 | 2°277 | 3°254 | 18440 | 21 | 12°059 | 4°623 | 18512 | 19 | 6°920 | 6°860 | 18584 | 12 | 3°250 | 8°334 |
| 18297 | 24 | 12°922 | 1°230 | 18369 | 10 | 2°670 | 3°333 | 18441* | 49 | 12°171 | 4°244 | 18513 | 16 | 7°108 | 6°743 | 18585 | 19 | 3°610 | 8°854 |
| 18298 | 24 | 13°112 | 1°051 | 18370 | 14 | 2°935 | 3°898 | 18442 | 14 | 12°574 | 4°434 | 18514 | 9 | 7°828 | 6°493 | 18586 | 11 | 4°040 | 8°670 |
| 18299 | 8 | 13°135 | 1°052 | 18371 | 14 | 3°096 | 3°222 | 18443 | 15 | 14°135 | 4°856 | 18515 | 27 | 8°011 | 6°954 | 18587 | 11 | 5°629 | 8°216 |
| 18300 | 9 | 13°143 | 1°184 | 18372 | 44 | 3°737 | 3°159 | 18444 | 12 | 14°220 | 4°483 | 18516 | 13 | 8°138 | 6°320 | 18588 | 36 | 5°704 | 8°366 |
| 18301 | 12 | 14°346 | 1°468 | 18373 | 11 | 4°158 | 3°063 | 18445 | 19 | 14°325 | 4°685 | 18517 | 32 | 8°285 | 6°180 | 18589 | 20 | 5°913 | 8°089 |
| 18302 | 10 | 15°742 | 1°681 | 18374 | 13 | 5°858 | 3°829 | 18446 | 12 | 14°966 | 4°608 | 18518 | 10 | 8°785 | 6°216 | 18590 | 24 | 6°490 | 8°542 |
| 18303 | 10 | 15°754 | 1°149 | 18375 | 18 | 5°952 | 3°787 | 18447 | 16 | 15°663 | 4°438 | 18519 | 21 | 9°416 | 6°689 | 18591 | 11 | 6°538 | 8°278 |
| 18304 | 11 | 16°946 | 1°531 | 18376 | 13 | 5°989 | 3°711 | 18448 | 17 | 15°864 | 4°914 | 18520 | 12 | 9°550 | 6°240 | 18592* | 36 | 7°768 | 8°765 |
| 18305 | 10 | 16°990 | 1°431 | 18377 | 14 | 6°509 | 3°901 | 18449 | 9 | 16°472 | 4°770 | 18521 | 14 | 9°960 | 6°234 | 18593 | 26 | 8°602 | 8°923 |
| 18306* | 49 | 17°232 | 1°897 | 18378 | 15 | 6°820 | 3°107 | 18450 | 24 | 16°810 | 4°680 | 18522 | 28 | 10°494 | 6°883 | 18594 | 19 | 9°784 | 8°336 |
| 18307 | 20 | 17°346 | 1°835 | 18379 | 10 | 6°832 | 3°490 | 18451 | 13 | 17°294 | 4°724 | 18523 | 14 | 10°782 | 6°602 | 18595 | 18 | 9°910 | 8°719 |
| 18308 | 10 | 18°666 | 1°466 | 18380* | 58 | 7°044 | 3°353 | 18452 | 10 | 17°384 | 4°104 | 18524 | 37 | 11°418 | 6°943 | 18596 | 10 | 9°974 | 8°680 |
| 18309 | 10 | 19°387 | 1°362 | 18381 | 10 | 7°060 | 3°903 | 18453 | 8 | 17°970 | 4°608 | 18525 | 10 | 11°870 | 6°821 | 18597 | 10 | 10°934 | 8°834 |
| 18310 | 12 | 19°886 | 1°058 | 18382 | 10 | 7°160 | 3°573 | 18454 | 15 | 18°256 | 4°510 | 18526 | 23 | 11°926 | 6°470 | 18598 | 13 | 11°425 | 8°621 |
| 18311 | 12 | 20°244 | 1°051 | 18383 | 13 | 7°646 | 3°378 | 18455 | 17 | 19°267 | 4°280 | 18527 | 10 | 12°320 | 6°993 | 18599 | 14 | 11°686 | 8°512 |
| 18312 | 26 | 20°818 | 1°990 | 18384 | 18 | 8°344 | 3°541 | 18456 | 14 | 20°904 | 4°518 | 18528 | 11 | 12°780 | 6°845 | 18600 | 10 | 12°766 | 8°277 |
| 18313 | 12 | 21°096 | 1°634 | 18385 | 29 | 8°500 | 3°050 | 18457 | 18 | 21°213 | 4°608 | 18529 | 18 | 13°015 | 6°747 | 18601 | 10 | 13°034 | 8°614 |
| 18314 | 11 | 21°620 | 1°630 | 18386 | 16 | 9°064 | 3°459 | 18458 | 16 | 21°690 | 4°909 | 18530 | 10 | 13°180 | 6°549 | 18602 | 20 | 13°200 | 8°427 |
| 18315 | 27 | 22°316 | 1°863 | 18387 | 10 | 10°338 | 3°606 | 18459 | 12 | 22°002 | 4°978 | 18531 | 17 | 14°054 | 6°700 | 18603 | 23 | 13°385 | 8°506 |
| 18316 | 12 | 23°062 | 1°284 | 18388 | 14 | 10°528 | 3°008 | 18460 | 18 | 22°964 | 4°014 | 18532* | 30 | 16°069 | 6°935 | 18604 | 10 | 16°362 | 8°068 |
| 18317 | 14 | 23°309 | 1°876 | 18389 | 17 | 10°712 | 3°506 | 18461 | 10 | 24°014 | 4°976 | 18533 | 18 | 16°226 | 6°785 | 18605 | 10 | 16°430 | 8°412 |
| 18318 | 17 | 23°877 | 1°938 | 18390 | 22 | 10°929 | 3°032 | 18462 | 10 | 24°826 | 4°645 | 18534* | 41 | 16°339 | 6°098 | 18606 | 10 | 16°554 | 8°164 |
| 18319 | 11 | 24°285 | 1°014 | 18391 | 30 | 11°204 | 3°461 | 18463 | 18 | 25°884 | 4°667 | 18535 | 10 | 16°362 | 6°790 | 18607 | 9 | 16°611 | 8°108 |
| 18320 | 11 | 0°810 | 2°581 | 18392 | 14 | 11°337 | 3°890 | 18464 | 10 | 0°336 | 5°808 | 18536 | 10 | 17°504 | 6°619 | 18608 | 33 | 16°860 | 8°872 |
| 18321 | 17 | 0°916 | 2°894 | 18393 | 27 | 11°840 | 3°585 | 18465* | 58 | 1°927 | 5°822 | 18537 | 17 | 17°624 | 6°891 | 18609 | 18 | 17°373 | 8°704 |
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| 18328 | 19 | 4°516 | 2°990 | 18400 | 14 | 16°667 | 3°801 | 18472 | 30 | 6°297 | 5°053 | 18544 | 10 | 0°769 | 7°344 | 18616* | 45 | 21°870 | 8°864 |
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| 18331 | 40 | 7°635 | 2°364 | 18403 | 15 | 17°285 | 3°514 | 18475* | 56 | 6°720 | 5°152 | 18547 | 17 | 2°049 | 7°108 | 18619* | 40 | 22°540 | 8°239 |
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| 18333 | 10 | 8°023 | 2°334 | 18405 | 35 | 17°738 | 3°382 | 18477 | 13 | 7°700 | 5°856 | 18549 | 36 | 2°720 | 7°244 | 18621 | 10 | 23°367 | 8°938 |
| 18334 | 22 | 8°585 | 2°901 | 18406 | 18 | 17°908 | 3°455 | 18478 | 10 | 7°717 | 5°508 | 18550 | 10 | 2°772 | 7°966 | 18622 | 23 | 24°045 | 8°550 |
| 18335 | 12 | 8°700 | 2°190 | 18407* | 67 | 18°226 | 3°614 | 18479 | 10 | | | | | | | | | | |

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|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
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| 18667 | 10 | 6-216 | 10-198 | 18739 | 19 | 15-922 | 11-280 | 18811 | 11 | 7-988 | 13-263 | 18883 | 10 | 16-634 | 14-405 | 18955 | 12 | 5-544 | 16-470 |
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| 18670 | 15 | 7-025 | 10-450 | 18742 | 18 | 17-550 | 11-365 | 18814 | 22 | 8-560 | 13-402 | 18886 | 14 | 18-553 | 14-577 | 18958 | 30 | 7-360 | 16-238 |
| 18671 | 14 | 7-690 | 10-583 | 18743 | 10 | 18-291 | 11-453 | 18815 | 11 | 8-911 | 13-277 | 18887 | 20 | 18-659 | 14-221 | 18959 | 17 | 7-801 | 16-768 |
| 18672 | 8 | 8-886 | 10-818 | 18744 | 12 | 19-088 | 11-930 | 18816 | 22 | 10-007 | 13-421 | 18888 | 20 | 18-930 | 14-918 | 18960 | 10 | 9-366 | 16-468 |
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| 18677 | 36 | 10-684 | 10-600 | 18749 | 21 | 22-170 | 11-162 | 18821 | 23 | 11-802 | 13-680 | 18893 | 25 | 21-996 | 14-332 | 18965 | 17 | 14-174 | 16-771 |
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| 18681 | 16 | 13-666 | 10-618 | 18753 | 26 | 25-849 | 11-817 | 18825 | 10 | 12-233 | 13-594 | 18897 | 20 | 25-172 | 14-531 | 18969 | 22 | 15-353 | 16-756 |
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| 18683 | 12 | 14-888 | 10-850 | 18755 | 23 | 1-267 | 12-190 | 18827 | 60 | 12-396 | 13-449 | 18899 | 14 | 25-478 | 14-266 | 18971 | 19 | 15-066 | 16-883 |
| 18684 | 49 | 14-800 | 10-916 | 18756 | 26 | 1-908 | 12-161 | 18828 | 14 | 13-254 | 13-126 | 18900 | 8 | 0-019 | 15-308 | 18972 | 10 | 16-023 | 16-111 |
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| 18687 | 14 | 16-128 | 10-190 | 18759 | 9 | 2-543 | 12-992 | 18831 | 18 | 13-880 | 13-610 | 18903 | 12 | 0-670 | 15-990 | 18975 | 8 | 16-240 | 16-656 |
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| 18691 | 46 | 17-722 | 10-006 | 18763 | 12 | 5-124 | 12-762 | 18835 | 10 | 15-232 | 13-654 | 18907 | 31 | 2-226 | 15-981 | 18979 | 19 | 19-150 | 16-279 |
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| 18693 | 12 | 18-140 | 10-649 | 18765 | 12 | 6-216 | 12-118 | 18837 | 17 | 16-744 | 13-920 | 18909 | 12 | 3-026 | 15-611 | 18981 | 14 | 20-049 | |

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|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|
| 18992 | 22 | 25°508 | 16°309 | 19064 | 15 | 11°547 | 18°258 | 19136 | 27 | 18°394 | 19°805 | 19208 | 12 | 23°886 | 20°292 | 19280 | 17 | 11°564 | 22°010 |
| 18993 | 8 | 0°292 | 17°560 | 19065 | 22 | 11°584 | 18°194 | 19137 | 13 | 20°148 | 19°725 | 19209 | 12 | 24°200 | 20°480 | 19281 | 19 | 12°088 | 22°820 |
| 18994 | 11 | 0°593 | 17°198 | 19066 | 9 | 11°730 | 18°480 | 19138 | 11 | 20°804 | 19°218 | 19210 | 13 | 24°660 | 20°566 | 19282 | 9 | 12°891 | 22°725 |
| 18995 | 10 | 0°668 | 17°068 | 19067 | 9 | 13°115 | 18°840 | 19139 | 25 | 21°460 | 19°580 | 19211 | 12 | 25°540 | 20°390 | 19283 | 15 | 13°304 | 22°020 |
| 18996 | 35 | 1°279 | 17°830 | 19068 | 10 | 13°227 | 18°349 | 19140 | 13 | 22°134 | 19°240 | 19212 | 42 | 25°742 | 20°444 | 19284 | 14 | 13°592 | 22°068 |
| 18997 | 24 | 1°329 | 17°868 | 19069 | 12 | 13°254 | 18°053 | 19141 | 10 | 22°536 | 19°540 | 19213* | 3 | 3°208 | 21°246 | 19285 | 14 | 13°866 | 22°780 |
| 18998 | 19 | 1°030 | 17°482 | 19070 | 8 | 15°767 | 18°734 | 19142 | 13 | 22°867 | 19°450 | 19214 | 12 | 3°048 | 21°754 | 19286 | 14 | 14°550 | 22°863 |
| 18999 | 23 | 1°952 | 17°765 | 19071 | 11 | 16°088 | 18°625 | 19143 | 11 | 22°980 | 19°120 | 19215 | 15 | 5°624 | 21°531 | 19287 | 10 | 14°692 | 22°512 |
| 19000* | 20 | 2°129 | 17°834 | 19072 | 16 | 16°694 | 18°334 | 19144 | 15 | 23°104 | 19°576 | 19216 | 15 | 6°050 | 21°538 | 19288 | 10 | 14°732 | 22°012 |
| 19001 | 10 | 2°645 | 17°224 | 19073 | 12 | 17°649 | 18°890 | 19145 | 15 | 23°148 | 19°148 | 19217 | 12 | 6°352 | 21°150 | 19289 | 21 | 15°390 | 22°231 |
| 19002 | 10 | 2°716 | 17°105 | 19074 | 10 | 17°660 | 18°176 | 19146 | 21 | 23°648 | 19°812 | 19218 | 19 | 6°906 | 21°040 | 19290 | 33 | 15°400 | 22°230 |
| 19003 | 17 | 2°732 | 17°576 | 19075 | 10 | 18°020 | 18°025 | 19147 | 15 | 23°344 | 19°799 | 19219 | 10 | 7°000 | 21°567 | 19291 | 10 | 15°864 | 22°516 |
| 19004 | 14 | 3°183 | 17°240 | 19076 | 21 | 19°609 | 18°869 | 19148 | 12 | 24°637 | 19°258 | 19220 | 16 | 7°287 | 21°278 | 19292 | 18 | 16°436 | 22°936 |
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| 19006 | 11 | 4°700 | 17°537 | 19078 | 10 | 21°071 | 18°308 | 19150 | 22 | 25°192 | 19°936 | 19222 | 32 | 7°782 | 21°060 | 19294 | 11 | 16°892 | 22°864 |
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| 19008 | 12 | 5°044 | 17°721 | 19080 | 26 | 21°726 | 18°480 | 19152 | 19 | 1°208 | 20°772 | 19224* | 36 | 10°472 | 21°098 | 19296* | 35 | 17°452 | 22°406 |
| 19009 | 14 | 5°040 | 17°626 | 19081 | 10 | 22°157 | 18°264 | 19153 | 15 | 1°535 | 20°361 | 19225 | 31 | 11°864 | 21°618 | 19297 | 13 | 17°529 | 22°364 |
| 19010* | 65 | 6°485 | 17°234 | 19082 | 0 | 22°264 | 18°325 | 19154 | 24 | 1°552 | 20°534 | 19226 | 13 | 11°290 | 21°680 | 19298 | 12 | 19°194 | 22°074 |
| 19011* | 43 | 6°880 | 17°424 | 19083 | 22 | 22°464 | 18°942 | 19155 | 20 | 1°796 | 20°754 | 19227 | 32 | 11°436 | 21°334 | 19299 | 9 | 20°547 | 22°014 |
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| | | | | | | | | | | | | | | | | | | | |
|-------|----|---------|--------|-------|----|---------|--------|-------|----|--------|-------|-------|----|--------|-------|-------|----|--------|-------|
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|-------|----|--------|-------|-------|----|--------|-------|-------|----|--------|-------|-------|----|--------|-------|-------|----|--------|-------|
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| 22988 | 8 | 21-781 | 12-342 | 23060 | 15 | 7-246 | 14-921 | 23132 | 21 | 20-168 | 15-988 | 23204 | 10 | 25-538 | 16-740 | 23276 | 42 | 9-362 | 18-417 |
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| 23019 | 16 | 13-047 | 13-500 | 23091 | 9 | 24-816 | 14-616 | 23163 | 8 | 11-862 | 16-633 | 23235 | 8 | 11-150 | 17-130 | 23307 | 46 | 21-124 | 18-660 |
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| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|-------|-------|----|--------|-------|-------|----|--------|-------|-------|----|--------|-------|-------|----|--------|--------|
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| 23723 | 23 | 16-171 | 1-782 | 23795 | 8 | 18-968 | 3-300 | 23867 | 13 | 13-214 | 5-972 | 23939 | 15 | 10-665 | 7-696 | 24011 | 20 | 7-792 | 9-364 |
| 23724 | 10 | 17-261 | 1-732 | 23796 | 16 | 19-381 | 3-167 | 23868 | 14 | 14-847 | 5-940 | 23940 | 21 | 11-300 | 7-852 | 24012 | 24 | 8-874 | 9-020 |
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| 24095 | 13 | 9-378 | 11-576 | 24167 | 10 | 3-185 | 13-401 | 24239 | 56 | 22-712 | 14-240 | 24311 | 28 | 11-672 | 16-200 | 24383 | 17 | 14-888 | 18-430 |
| 24096 | 21 | 11-054 | 11-890 | 24168 | 12 | 3-437 | 13-195 | 24240 | 22 | 22-830 | 14-172 | 24312 | 9 | 13-803 | 16-003 | 24384 | 8 | 14-926 | 18-336 |
| 24097 | 12 | 11-884 | 11-574 | 24169 | 12 | 5-263 | 13-510 | 24241 | 10 | 25-262 | 14-581 | 24313 | 10 | 14-002 | 16-832 | 24385 | 13 | 15-406 | 18-140 |
| 24098 | 14 | 11-988 | 11-090 | 24170 | 10 | 5-692 | 13-200 | 24242 | 9 | 25-668 | 14-263 | 24314 | 13 | 14-196 | 16-769 | 24386 | 20 | 15-760 | 18-550 |
| 24099 | 18 | 12-175 | 11-356 | 24171 | 10 | 6-038 | 13-800 | 24243 | 19 | 0-589 | 15-144 | 24315 | 13 | 15-566 | 16-060 | 24387 | 16 | 15-930 | 18-160 |
| 24100 | 20 | 12-319 | 11-120 | 24172 | 14 | 7-663 | 13-570 | 24244 | 9 | 0-699 | 15-456 | 24316 | 23 | 15-638 | 16-853 | 24388 | 10 | 16-424 | 18-180 |
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| 24102 | 12 | 12-950 | 11-686 | 24174 | 10 | 8-050 | 13-660 | 24246 | 9 | 1-574 | 15-741 | 24318 | 20 | 15-766 | 16-021 | 24390 | 11 | 22-500 | 18-674 |
| 24103 | 13 | 13-308 | 11-338 | 24175 | 11 | 10-976 | 13-086 | 24247 | 14 | 2-517 | 15-868 | 24319 | 10 | 16-947 | 16-884 | 24391 | 8 | 23-466 | 18-605 |
| 24104 | 10 | 14-110 | 11-428 | 24176 | 11 | 11-204 | 13-916 | 24248 | 11 | 3-016 | 15-268 | 24320 | 21 | 19-064 | 16-056 | 24392 | 20 | 23-987 | 18-998 |
| 24105 | 14 | 14-134 | 11-205 | 24177 | 15 | 11-204 | 13-292 | 24249 | 18 | 3-802 | 15-146 | 24321 | 10 | 19-790 | 16-026 | 24393 | 10 | 24-554 | 18-017 |
| 24106 | 14 | 14-496 | 11-554 | 24178 | 23 | 11-368 | 13-300 | 24250 | 35 | 3-908 | 15-838 | 24322 | 11 | 21-074 | 16-586 | 24394 | 17 | 1-088 | 19-286 |
| 24107 | 12 | 14-980 | 11-860 | 24179 | 9 | 11-704 | 13-576 | 24251 | 12 | 4-128 | 15-578 | 24323 | 12 | 21-210 | 16-396 | 24395 | 18 | 1-401 | 19-140 |
| 24108 | 12 | 15-333 | 11-714 | 24180 | 20 | 11-903 | 13-304 | 24252 | 11 | 4-806 | 15-091 | 24324 | 42 | 22-256 | 16-096 | 24396 | 9 | 2-490 | 19-479 |
| 24109 | 17 | 17-006 | 11-915 | 24181 | 16 | 12-544 | 13-840 | 24253 | 16 | 5-138 | 15-775 | 24325 | 20 | 24-176 | 16-063 | 24397 | 13 | 2-618 | 19-132 |
| 24110 | 23 | 17-075 | 11-565 | 24182 | 17 | 13-238 | 13-743 | 24254 | 21 | 7-760 | 15-135 | 24326 | 13 | 24-326 | 16-160 | 24398 | 28 | 2-738 | 19-990 |
| 24111 | 19 | 17-690 | 11-258 | 24183 | 10 | 13-782 | 13-071 | 24255 | 15 | 8-566 | 15-174 | 24327 | 10 | 24-444 | 16-612 | 24399 | 9 | 2-782 | 19-187 |
| 24112 | 26 | 18-770 | 11-566 | 24184 | 11 | 13-900 | 13-966 | 24256 | 14 | 8-700 | 15-107 | 24328 | 10 | 25-142 | 16-246 | 24400 | 12 | 2-935 | 19-117 |
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| 24114 | 9 | 19-536 | 11-192 | 24186 | 38 | 14-532 | 13-450 | 24258 | 9 | 9-764 | 15-796 | 24330 | 15 | 0-831 | 17-116 | 24402 | 15 | 3-700 | 19-418 |

| | | | | | | | | | | | | | | | |
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| 24413 | 36 | 12-485 | 19-664 | 24485 | 26 | 18-743 | 21-220 | 24557 | 14 | 5-141 | 24-974 | 24706 | 39 | 5-420 | 2-478 |
| 24414 | 12 | 15-700 | 19-270 | 24486 | 34 | 19-835 | 21-496 | 24558 | 10 | 5-154 | 24-912 | 24707 | 33 | 6-882 | 2-530 |
| 24415 | 23 | 15-873 | 19-505 | 24487 | 57 | 22-185 | 21-047 | 24559 | 8 | 5-300 | 24-597 | 24708 | 31 | 8-150 | 2-547 |
| 24416 | 11 | 16-755 | 19-129 | 24488 | 10 | 22-848 | 21-528 | 24560 | 13 | 5-513 | 24-422 | 24709 | 39 | 8-635 | 2-949 |
| 24417 | 17 | 18-611 | 19-506 | 24489 | 10 | 0-702 | 22-074 | 24561 | 20 | 5-662 | 24-504 | 24710 | 12 | 8-886 | 2-799 |
| 24418 | 21 | 20-861 | 19-725 | 24490 | 9 | 0-836 | 22-500 | 24562 | 12 | 5-975 | 24-426 | 24711 | 15 | 10-036 | 2-547 |
| 24419 | 9 | 20-042 | 19-444 | 24491 | 26 | 2-159 | 22-186 | 24563 | 10 | 7-442 | 24-250 | 24712 | 18 | 10-831 | 2-634 |
| 24420 | 12 | 20-904 | 19-819 | 24492 | 9 | 3-798 | 22-078 | 24564 | 14 | 7-902 | 24-914 | 24713 | 19 | 11-328 | 2-407 |
| 24421 | 13 | 21-300 | 19-144 | 24493 | 14 | 4-459 | 22-215 | 24565 | 17 | 8-062 | 24-425 | 24714 | 12 | 11-475 | 2-577 |
| 24422 | 10 | 22-487 | 19-820 | 24494 | 9 | 6-788 | 22-828 | 24566 | 26 | 8-417 | 24-232 | 24715 | 21 | 11-574 | 2-170 |
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| 24424 | 10 | 24-976 | 19-187 | 24496 | 11 | 9-098 | 22-432 | 24568 | 15 | 8-502 | 24-240 | 24717 | 18 | 14-332 | 2-870 |
| 24425 | 10 | 25-842 | 19-320 | 24497 | 9 | 10-903 | 22-072 | 24569 | 11 | 8-626 | 24-768 | 24718 | 16 | 14-483 | 2-567 |
| 24426 | 27 | 25-846 | 19-992 | 24498 | 11 | 10-996 | 22-322 | 24570 | 14 | 8-756 | 24-550 | 24719 | 37 | 15-576 | 2-147 |
| 24427 | 20 | 25-850 | 19-592 | 24499 | 10 | 12-494 | 22-508 | 24571 | 25 | 9-252 | 24-308 | 24720 | 23 | 16-788 | 2-458 |
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| 24429 | 24 | 1-408 | 20-660 | 24501 | 14 | 14-770 | 22-948 | 24573 | 12 | 10-088 | 24-545 | 24722 | 14 | 18-245 | 2-719 |
| 24430 | 11 | 2-606 | 20-503 | 24502 | 24 | 14-940 | 22-090 | 24574 | 10 | 10-515 | 24-979 | 24723 | 12 | 18-710 | 2-931 |
| 24431 | 8 | 2-831 | 20-256 | 24503 | 11 | 15-606 | 22-196 | 24575 | 28 | 10-740 | 24-739 | 24724 | 18 | 21-390 | 2-689 |
| 24432 | 11 | 3-200 | 20-012 | 24504 | 11 | 17-197 | 22-955 | 24576 | 10 | 11-028 | 24-299 | 24725 | 16 | 22-352 | 2-002 |
| 24433 | 11 | 3-490 | 20-592 | 24505 | 11 | 18-054 | 22-744 | 24577 | 8 | 11-202 | 24-772 | 24726 | 20 | 22-674 | 2-476 |
| 24434 | 9 | 3-762 | 20-720 | 24506 | 10 | 19-186 | 22-408 | 24578 | 36 | 11-595 | 24-612 | 24727 | 22 | 24-446 | 2-380 |
| 24435 | 18 | 4-151 | 20-245 | 24507 | 15 | 20-200 | 22-614 | 24579 | 35 | 12-578 | 24-851 | 24728 | 17 | 24-769 | 2-484 |
| 24436 | 13 | 4-281 | 20-226 | 24508 | 10 | 19-914 | 22-929 | 24580 | 17 | 14-202 | 24-260 | 24729 | 16 | 25-018 | 2-548 |
| 24437 | 10 | 4-600 | 20-461 | 24509 | 15 | 20-398 | 22-900 | 24581 | 11 | 15-012 | 24-326 | 24730 | 26 | 0-376 | 3-581 |
| 24438 | 9 | 4-624 | 20-716 | 24510 | 10 | 20-461 | 22-472 | 24582 | 10 | 15-688 | 24-764 | 24731 | 21 | 0-666 | 3-326 |
| 24439 | 11 | 5-970 | 20-042 | 24511 | 8 | 22-550 | 22-428 | 24583 | 41 | 16-548 | 24-967 | 24732 | 21 | 1-564 | 3-512 |
| 24440 | 11 | 6-430 | 20-302 | 24512 | 9 | 23-105 | 22-125 | 24584 | 13 | 16-700 | 24-564 | 24733 | 17 | 1-706 | 3-104 |
| 24441 | 17 | 8-507 | 20-580 | 24513 | 13 | 25-456 | 22-806 | 24585 | 10 | 17-606 | 24-018 | 24734 | 34 | 1-978 | 3-631 |
| 24442 | 19 | 9-355 | 20-844 | 24514 | 31 | 25-555 | 22-463 | 24586 | 15 | 17-978 | 24-855 | 24735 | 13 | 2-718 | 3-610 |
| 24443 | 20 | 9-734 | 20-114 | 24515 | 17 | 25-831 | 22-676 | 24587 | 23 | 18-201 | 24-191 | 24736 | 28 | 3-334 | 3-982 |
| 24444 | 18 | 9-702 | 20-902 | 24516 | 9 | 1-809 | 23-275 | 24588 | 11 | 18-908 | 24-290 | 24737 | 16 | 3-652 | 3-912 |
| 24445 | 16 | 10-868 | 20-208 | 24517 | 42 | 1-952 | 23-042 | 24589 | 12 | 19-180 | 24-330 | 24738 | 18 | 4-432 | 3-938 |
| 24446 | 15 | 10-921 | 20-623 | 24518 | 9 | 3-277 | 23-395 | 24590 | 12 | 20-052 | 24-776 | 24739 | 29 | 5-062 | 3-898 |
| 24447 | 9 | 10-923 | 20-411 | 24519 | 18 | 4-368 | 23-640 | 24591 | 15 | 21-560 | 24-765 | 24740 | 13 | 5-406 | 3-207 |
| 24448 | 39 | 10-945 | 20-418 | 24520 | 11 | 5-449 | 23-300 | 24592 | 13 | 21-867 | 24-890 | 24741 | 19 | 7-351 | 3-409 |
| 24449 | 11 | 12-260 | 20-508 | 24521 | 19 | 5-732 | 23-086 | 24593 | 14 | 23-005 | 24-808 | 24742 | 12 | 7-527 | 3-398 |
| 24450 | 20 | 13-070 | 20-346 | 24522 | 28 | 6-500 | 23-994 | 24594 | 40 | 24-014 | 24-060 | 24743 | 15 | 9-246 | 3-426 |
| 24451 | 10 | 14-130 | 20-402 | 24523 | 11 | 6-543 | 23-866 | 24595 | 13 | 0-677 | 25-375 | 24744 | 26 | 10-724 | 3-575 |
| 24452 | 18 | 14-838 | 20-004 | 24524 | 28 | 6-582 | 23-807 | 24596 | 10 | 3-520 | 25-446 | 24745 | 17 | 10-962 | 3-209 |
| 24453 | 16 | 18-020 | 20-420 | 24525 | 32 | 6-624 | 23-012 | 24597 | 54 | 3-660 | 25-740 | 24746 | 17 | 12-161 | 3-490 |
| 24454 | 10 | 19-104 | 20-144 | 24526 | 20 | 6-852 | 23-696 | 24598 | 11 | 4-110 | 25-712 | 24747 | 10 | 13-432 | 3-153 |
| 24455 | 10 | 19-588 | 20-220 | 24527 | 14 | 8-244 | 23-556 | 24599 | 52 | 4-403 | 25-392 | 24748 | 23 | 14-889 | 3-442 |
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| 24457 | 11 | 22-484 | 20-704 | 24529 | 10 | 8-869 | 23-944 | 24601 | 11 | 5-413 | 25-473 | 24750 | 15 | 15-408 | 3-249 |
| 24458 | 34 | 23-726 | 20-335 | 24530 | 15 | 9-082 | 23-282 | 24602 | 9 | 5-418 | 25-508 | 24751 | 18 | 16-068 | 3-447 |
| 24459 | 11 | 25-008 | 20-738 | 24531 | 24 | 9-179 | 23-924 | 24603 | 12 | 7-398 | 25-530 | 24752 | 24 | 16-858 | 3-457 |
| 24460 | 9 | 2-554 | 21-765 | 24532 | 20 | 9-218 | 23-893 | 24604 | 16 | 7-592 | 25-163 | 24753 | 20 | 18-704 | 3-907 |
| 24461 | 12 | 2-767 | 21-604 | 24533 | 15 | 9-779 | 23-060 | 24605 | 34 | 7-955 | 25-596 | 24754 | 38 | 19-774 | 3-000 |
| 24462 | 13 | 5-580 | 21-760 | 24534 | 23 | 10-658 | 23-747 | 24606 | 10 | 8-686 | 25-350 | 24755 | 15 | 20-634 | 3-882 |
| 24463 | 14 | 5-647 | 21-506 | 24535 | 20 | 11-508 | 23-705 | 24607 | 14 | 8-706 | 25-645 | 24756 | 20 | 21-232 | 3-860 |
| 24464 | 13 | 6-098 | 21-356 | 24536 | 24 | 11-900 | 23-234 | 24608 | 8 | 9-818 | 25-494 | 24757 | 12 | 21-257 | 3-579 |
| 24465 | 14 | 6-112 | 21-436 | 24537 | 9 | 14-081 | 23-976 | 24609 | 21 | 10-766 | 25-130 | 24758 | 32 | 21-452 | 3-839 |
| 24466 | 10 | 6-274 | 21-622 | 24538 | 9 | 16-280 | 23-058 | 24610 | 12 | 12-052 | 25-548 | 24759 | 11 | 22-186 | 3-612 |
| 24467 | 11 | 6-464 | 21-115 | 24539 | 9 | 16-903 | 23-135 | 24611 | 37 | 13-518 | 25-106 | 24760 | 24 | 22-735 | 3-611 |
| 24468 | 16 | 6-737 | 21-622 | 24540 | 18 | 17-618 | 23-784 | 24612 | 25 | 14-268 | 25-576 | 24761 | 18 | 23-180 | 3-863 |
| 24469 | 11 | 6-984 | 21-866 | 24541 | 9 | 17-940 | 23-752 | 24613 | 25 | 14-600 | 25-770 | 24762 | 10 | 24-668 | 4-328 |
| 24470 | 11 | 7-530 | 21-260 | 24542 | 14 | 19-270 | 23-894 | 24614 | 16 | 16-613 | 25-840 | 24763 | 15 | 2-116 | 4-480 |
| 24471 | 13 | 9-460 | 21-494 | 24543 | 24 | 20-122 | 23-344 | 24615 | 16 | 17-098 | 25-414 | 24764 | 17 | 2-172 | 4-693 |
| 24472 | 10 | 11-556 | 21-247 | 24544 | 10 | 20-376 | 23-926 | 24616 | 11 | 17-207 | 25-812 | 24765 | 15 | 3-366 | 4-541 |
| 24473 | 15 | 13-160 | 21-226 | 24545 | 11 | 21-514 | 23-468 | 24617 | 9 | 17-314 | 25-790 | 24766 | 17 | 4-090 | 4-289 |
| 24474 | 10 | 13-316 | 21-517 | 24546 | 9 | 21-607 | 23-484 | 24618 | 13 | 17-354 | 25-915 | 24767 | 15 | 4-165 | 4-469 |
| 24475 | 20 | 13-721 | 21-422 | 24547 | 14 | 22-080 | 23-354 | 24619 | 11 | 18-230 | 25-200 | 24768 | 32 | 5-932 | 4-496 |
| 24476 | 8 | 13-845 | 21-440 | 24548 | 20 | 23-644 | 23-880 | 24620 | 14 | 19-000 | 25-646 | 24769 | 30 | 6-662 | 4-777 |
| 24477 | 10 | 14-340 | 21-190 | 24549 | 29 | 24-826 | 23-230 | 24621 | 25 | 19-344 | 25-854 | 24770 | 29 | 8-443 | 4-062 |
| 24478 | 24 | 14-648 | 21-405 | 24550 | 44 | 0-239 | 24-473 | 24622 | 22 | 19-721 | 25-400 | 24771 | 15 | 8-800 | 4-306 |
| 24479 | 12 | 15-266 | 21-985 | 24551 | 10 | 1-978 | 24-499 | 24623 | 16 | 21-592 | 25-659 | 24772 | 25 | 9-650 | 4-668 |
| 24480 | 13 | 15-894 | 21-270 | 24552 | 12 | 3-144 | 24-702 | 24624 | 13 | 22-480 | 25-239 | 24773 | 20 | 11-068 | 4-549 |
| 24481 | 24 | 16-719 | 21-476 | 24553 | 35 | 3-262 | 24-294 | 24625 | 9 | 25-172 | 25-060 | 24774 | 11 | 11-144 | 4-050 |
| 24482 | 14 | 17-742 | 21-485 | 24554 | 8 | 3-802 | 24-330 | | | | | 24775 | 21 | 11-184 | 4-832 |
| 24483 | 10 | 17-802 | 21-162 | 24555 | 8 | 4-176 | 24-476 | | | | | 24776 | 16 | 11-420 | 4-862 |
| 24484 | 20 | 18-694 | 21-876 | 24556 | 10 | 4-305 | 24-172 | | | | | 24777 | 18 | 12-260 | 4-425 |

R.A. 7° 48"

Plate 950; 1917 Jan. 20.

Provisional Constants.

$$A \quad B \quad C$$

$$-02582 + 00066 + 4159$$

$$D \quad E \quad F$$

$$-00091 - 02577 - 4401$$

$$\text{Mag.} = 17.3 - 1.09\sqrt{d}$$

| No. | d | x | y |
|--------|----|--------|-------|
| 24651 | 16 | 2-852 | 0-892 |
| 24652 | 11 | 3-584 | 0-774 |
| 24653 | 15 | 5-395 | 0-565 |
| 24654 | 17 | 8-114 | 0-866 |
| 24655 | 17 | 8-774 | 0-936 |
| 24656* | 84 | 9-280 | 0-456 |
| 24657* | 58 | 11-199 | 0-930 |
| 24658 | 16 | 11-466 | 0-798 |
| 24659 | 12 | 12-574 | 0-233 |
| 24660 | 14 | 13-523 | 0-688 |
| 24661 | 18 | 14-136 | 0-688 |
| 24662 | 17 | 14-393 | 0-319 |
| 24663 | 56 | 14-468 | 0-145 |
| 24664 | 14 | 16-232 | 0-233 |
| 24665 | 16 | 17-153 | 0-968 |
| 24666 | 12 | 18-318 | 0-083 |
| 24667 | 56 | 19-100 | 0-428 |
| 24668* | 22 | 19-871 | 0-145 |
| 24669 | 32 | 20-072 | 0-766 |
| 24670 | 12 | 20-888 | 0-073 |
| 24671 | 24 | 20-960 | 0-565 |
| 24672 | 33 | 22-254 | 0-233 |
| 24673 | 24 | 24-396 | 0-145 |
| 24674 | 17 | 0-435 | 1-111 |
| 24675 | 40 | 0-909 | 1-111 |
| 24676 | 19 | 1-600 | 1-226 |
| 24677 | 16 | 2-791 | 1-111 |
| 24678 | 16 | 4-251 | 1-066 |
| 24679 | 13 | 7-780 | 1-991 |
| 24680 | 15 | 10-581 | 1-066 |
| 24681 | 15 | 10-894 | 1-555 |
| 24682 | 16 | 10-954 | 1-311 |
| 24683* | 80 | 11-105 | 1-777 |
| 24684 | 18 | 12-169 | 1-066 |
| 24685 | 31 | 13-444 | 1-555 |
| 24686 | 14 | 14-150 | 1-226 |
| 24687 | 23 | 14-328 | 1-226 |
| 24688 | 14 | 14-385 | 1-555 |
| 24689 | 25 | 16-116 | 1-226 |
| 24690 | 16 | 16-534 | 1-444 |
| 24691 | 46 | 17-433 | 1-311 |
| 24692* | 78 | 17-655 | 1-311 |
| 24693 | 28 | 18-776 | 1-991 |
| 24694 | 17 | 19-570 | 1-111 |
| 24695 | 10 | 20-402 | 1-444 |
| 24696 | 40 | 21-440 | 1-991 |
| 24697 | 23 | 21-908 | 1-066 |
| 24698 | 26 | 22-126 | 1-666 |
| 24699 | 24 | 23-676 | 1-066 |
| 24700 | 14 | 25-426 | 1-111 |
| 24701 | 21 | 0-270 | 2-991 |
| 24702 | 14 | 1-076 | 2-888 |
| 24703 | 44 | 3-268 | 2-888 |
| 24704 | 40 | 3-862 | 2-888 |
| 24705 | 21 | 4-827 | 2-777 |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|-------|-------|----|--------|-------|-------|----|--------|-------|-------|----|--------|--------|-------|----|--------|--------|
| 24778 | 32 | 12-350 | 4-554 | 24850 | 21 | 12-654 | 6-719 | 24922 | 14 | 5-498 | 8-685 | 24994 | 36 | 4-995 | 10-886 | 25066 | 18 | 2-197 | 12-176 |
| 24779 | 14 | 12-735 | 4-743 | 24851 | 31 | 13-112 | 6-184 | 24923 | 48 | 5-770 | 8-536 | 24995 | 17 | 5-380 | 10-824 | 25067 | 14 | 2-859 | 12-744 |
| 24780 | 36 | 13-544 | 4-451 | 24852 | 23 | 13-288 | 6-828 | 24924 | 10 | 6-690 | 8-336 | 24996 | 8 | 6-453 | 10-451 | 25068 | 12 | 4-260 | 12-089 |
| 24781 | 14 | 14-186 | 4-661 | 24853 | 10 | 15-114 | 6-364 | 24925 | 15 | 7-279 | 8-976 | 24997 | 23 | 6-478 | 10-194 | 25069 | 14 | 4-626 | 12-472 |
| 24782 | 20 | 14-555 | 4-930 | 24854 | 16 | 16-217 | 6-988 | 24926 | 12 | 7-414 | 8-274 | 24998 | 12 | 6-766 | 10-835 | 25070 | 10 | 5-632 | 12-551 |
| 24783 | 11 | 14-661 | 4-802 | 24855 | 18 | 17-836 | 6-375 | 24927 | 20 | 7-720 | 8-242 | 24999 | 15 | 6-840 | 10-531 | 25071 | 26 | 5-923 | 12-598 |
| 24784 | 18 | 16-563 | 4-435 | 24856 | 16 | 18-903 | 6-008 | 24928 | 16 | 7-826 | 8-286 | 25000 | 19 | 8-562 | 10-360 | 25072 | 10 | 6-114 | 12-298 |
| 24785 | 15 | 17-486 | 4-080 | 24857 | 14 | 19-794 | 6-774 | 24929 | 66 | 7-993 | 8-592 | 25001 | 28 | 8-602 | 10-074 | 25073 | 13 | 6-938 | 12-741 |
| 24786 | 17 | 17-621 | 4-890 | 24858 | 20 | 20-594 | 6-644 | 24930 | 38 | 8-639 | 8-228 | 25002 | 16 | 8-849 | 10-580 | 25074 | 10 | 7-522 | 12-336 |
| 24787 | 11 | 17-642 | 4-916 | 24859 | 13 | 20-888 | 6-235 | 24931 | 44 | 8-639 | 8-212 | 25003 | 11 | 10-491 | 10-492 | 25075 | 33 | 8-108 | 12-341 |
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| 24792 | 13 | 19-735 | 4-913 | 24864 | 14 | 24-286 | 6-470 | 24936 | 14 | 13-660 | 8-584 | 25008 | 9 | 15-307 | 10-518 | 25080 | 11 | 13-464 | 12-174 |
| 24793 | 14 | 19-803 | 4-346 | 24865 | 10 | 0-769 | 7-668 | 24937 | 14 | 14-512 | 8-838 | 25009 | 20 | 15-362 | 10-464 | 25081 | 14 | 14-802 | 12-052 |
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| 24795 | 12 | 20-613 | 4-269 | 24867 | 14 | 1-304 | 7-396 | 24939 | 16 | 16-621 | 8-226 | 25011 | 16 | 17-450 | 10-518 | 25083 | 16 | 16-158 | 12-948 |
| 24796 | 19 | 20-692 | 4-935 | 24868 | 17 | 1-438 | 7-968 | 24940 | 14 | 17-348 | 8-287 | 25012 | 12 | 17-710 | 10-503 | 25084 | 12 | 17-075 | 12-066 |
| 24797 | 12 | 21-860 | 4-657 | 24869 | 16 | 3-730 | 7-906 | 24941 | 24 | 20-181 | 8-526 | 25013 | 12 | 17-981 | 10-668 | 25085 | 16 | 19-184 | 12-218 |
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| 24802 | 13 | 1-580 | 5-003 | 24874 | 18 | 5-682 | 7-393 | 24946 | 15 | 22-796 | 8-742 | 25018 | 56 | 21-627 | 10-282 | 25090 | 10 | 23-689 | 12-799 |
| 24803 | 16 | 2-457 | 5-134 | 24875 | 13 | 6-483 | 7-874 | 24947 | 20 | 22-850 | 8-412 | 25019 | 12 | 22-328 | 10-412 | 25091 | 10 | 24-077 | 12-638 |
| 24804 | 32 | 3-182 | 4-466 | 24876 | 22 | 7-818 | 7-698 | 24948 | 25 | 23-776 | 8-268 | 25020 | 14 | 22-358 | 10-369 | 25092 | 12 | 24-700 | 12-684 |
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| 24813 | 14 | 8-340 | 5-158 | 24885 | 16 | 13-600 | 7-782 | 24957 | 8 | 4-486 | 9-519 | 25029 | 30 | 4-360 | 11-094 | 25101 | 15 | 5-576 | 13-758 |
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| 24815 | 34 | 9-800 | 5-044 | 24887 | 16 | 14-206 | 7-564 | 24959 | 11 | 6-087 | 9-286 | 25031 | 10 | 4-670 | 11-020 | 25103 | 17 | 6-942 | 13-615 |
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| 24823 | 23 | 15-164 | 5-592 | 24895 | 17 | 17-876 | 7-554 | 24967 | 18 | 12-012 | 9-117 | 25039 | 14 | 9-054 | 11-263 | 25111 | 10 | 13-308 | 13-528 |
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| 24826 | 19 | 15-732 | 5-409 | 24898 | 12 | 19-396 | 7-207 | 24970 | 15 | 14-968 | 9-892 | 25042 | 12 | 10-219 | 11-601 | 25114 | 11 | 15-540 | 13-792 |
| 24827 | 20 | 16-940 | 5-006 | 24899 | 20 | 19-806 | 7-625 | 24971 | 16 | 15-077 | 9-066 | 25043 | 13 | 10-990 | 11-430 | 25115 | 56 | 15-680 | 13-652 |
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| 24829 | 11 | 17-200 | 5-022 | 24901 | 16 | 21-482 | 7-664 | 24973 | 9 | 16-074 | 9-751 | 25045 | 12 | 12-084 | 11-954 | 25117 | 14 | 19-276 | 13-731 |
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| 24832 | 18 | 19-212 | 5-259 | 24904 | 27 | 22-712 | 7-124 | 24976 | 17 | 16-719 | 9-271 | 25048 | 15 | 14-633 | 11-496 | 25120 | 10 | 21-116 | 13-564 |
| 24833 | 15 | 19-706 | 5-260 | 24905 | 19 | 23-215 | 7-678 | 24977 | 14 | 17-916 | 9-448 | 25049 | 26 | 14-758 | 11-508 | 25121 | 21 | 21-658 | 13-588 |
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| 24836 | 14 | 21-974 | 5-438 | 24908 | 30 | 24-575 | 7-734 | 24980 | 14 | 19-067 | 9-242 | 25052 | 24 | 18-695 | 11-324 | 25124 | 23 | 22-451 | 13-402 |
| 24837 | 30 | 22-428 | 5-226 | 24909 | 68 | 24-800 | 7-984 | 24981 | 13 | 19-149 | 9-850 | 25053 | 13 | 18-908 | 11-182 | 25125 | 23 | 22-588 | 13-022 |
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|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|
| 25138 | 10 | 7-234 | 14-336 | 25210 | 18 | 24-714 | 15-016 | 25282 | 18 | 13-048 | 17-760 | 25354 | 12 | 15-072 | 19-693 | 25426 | 29 | 24-704 | 21-438 |
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| 25141 | 17 | 9-074 | 14-538 | 25213 | 16 | 2-572 | 16-460 | 25285 | 20 | 13-506 | 17-632 | 25357 | 10 | 16-704 | 19-398 | 25429 | 37 | 3-721 | 22-304 |
| 25142* | 56 | 9-321 | 14-481 | 25214 | 11 | 3-266 | 16-088 | 25286 | 10 | 15-851 | 17-042 | 25358 | 15 | 17-000 | 19-888 | 25430 | 50 | 4-000 | 22-454 |
| 25143 | 10 | 10-050 | 14-035 | 25215 | 16 | 3-584 | 16-934 | 25287 | 16 | 16-151 | 17-171 | 25359 | 12 | 18-024 | 19-386 | 25431* | 50 | 5-574 | 22-733 |
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| 25145 | 22 | 10-318 | 14-025 | 25217 | 14 | 4-506 | 16-190 | 25289 | 12 | 16-988 | 17-112 | 25361 | 16 | 19-184 | 19-452 | 25433 | 13 | 10-612 | 22-424 |
| 25146 | 16 | 10-616 | 14-081 | 25218 | 21 | 4-549 | 16-450 | 25290 | 20 | 17-422 | 17-679 | 25362 | 14 | 19-364 | 19-644 | 25434 | 13 | 10-671 | 22-366 |
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| 25148 | 26 | 12-051 | 14-092 | 25220 | 13 | 6-198 | 16-408 | 25292* | 58 | 18-128 | 17-138 | 25364 | 22 | 20-622 | 19-809 | 25436 | 36 | 11-228 | 22-241 |
| 25149 | 18 | 12-062 | 14-467 | 25221 | 12 | 6-562 | 16-992 | 25293 | 19 | 18-834 | 17-716 | 25365 | 14 | 20-934 | 19-220 | 25437 | 13 | 12-441 | 22-455 |
| 25150 | 17 | 12-836 | 14-672 | 25222 | 14 | 6-650 | 16-100 | 25294 | 22 | 19-352 | 17-046 | 25366 | 17 | 21-384 | 19-284 | 25438 | 13 | 13-158 | 22-942 |
| 25151 | 20 | 13-014 | 14-442 | 25223 | 19 | 6-892 | 16-446 | 25295 | 16 | 19-770 | 17-548 | 25367 | 28 | 23-215 | 19-412 | 25439 | 22 | 13-202 | 22-126 |
| 25152 | 16 | 13-174 | 14-038 | 25224 | 11 | 7-341 | 16-712 | 25296 | 13 | 21-824 | 17-272 | 25368 | 28 | 24-616 | 19-034 | 25440 | 18 | 13-512 | 22-977 |
| 25153 | 15 | 14-128 | 14-072 | 25225 | 17 | 8-448 | 16-577 | 25297 | 10 | 22-250 | 17-448 | 25369 | 13 | 25-244 | 19-698 | 25441 | 14 | 14-519 | 22-369 |
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| 25155* | 40 | 14-836 | 14-168 | 25227* | 52 | 8-928 | 16-774 | 25299 | 17 | 24-842 | 17-409 | 25371 | 17 | 25-956 | 19-817 | 25443 | 32 | 18-278 | 22-100 |
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| 25158 | 21 | 15-498 | 14-866 | 25230 | 11 | 10-418 | 16-206 | 25302 | 30 | 2-128 | 18-849 | 25374 | 49 | 1-875 | 20-190 | 25446 | 16 | 21-484 | 22-071 |
| 25159 | 16 | 18-016 | 14-316 | 25231* | 35 | 11-035 | 16-778 | 25303 | 50 | 6-882 | 18-046 | 25375 | 12 | 3-040 | 20-464 | 25447 | 44 | 22-008 | 22-938 |
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| 25161 | 22 | 18-926 | 14-164 | 25233 | 14 | 11-758 | 16-110 | 25305 | 16 | 6-982 | 18-427 | 25377 | 15 | 5-248 | 20-900 | 25449 | 26 | 22-542 | 22-772 |
| 25162 | 11 | 19-080 | 14-032 | 25234 | 16 | 12-240 | 16-236 | 25306 | 14 | 7-340 | 18-440 | 25378 | 36 | 5-374 | 20-339 | 25450 | 36 | 22-904 | 22-842 |
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| 25164 | 14 | 20-936 | 14-868 | 25236 | 11 | 12-408 | 16-272 | 25308 | 10 | 8-846 | 18-088 | 25380 | 22 | 6-170 | 20-182 | 25452 | 28 | 25-160 | 22-342 |
| 25165 | 15 | 21-412 | 14-275 | 25237 | 27 | 12-532 | 16-393 | 25309 | 24 | 10-238 | 18-082 | 25381 | 14 | 7-300 | 20-496 | 25453 | 46 | 25-528 | 22-533 |
| 25166 | 26 | 21-828 | 14-975 | 25238 | 21 | 12-732 | 16-034 | 25310* | 60 | 13-730 | 18-424 | 25382 | 14 | 8-672 | 20-348 | 25454 | 17 | 0-256 | 23-214 |
| 25167 | 19 | 21-982 | 14-417 | 25239 | 23 | 12-954 | 16-718 | 25311 | 9 | 14-060 | 18-837 | 25383 | 36 | 9-985 | 20-587 | 25455* | 57 | 2-188 | 23-912 |
| 25168 | 15 | 22-143 | 14-692 | 25240 | 21 | 12-976 | 16-944 | 25312 | 13 | 14-448 | 18-238 | 25384 | 13 | 10-012 | 20-342 | 25456 | 15 | 3-344 | 23-298 |
| 25169 | 13 | 23-468 | 14-684 | 25241* | 58 | 13-828 | 18-868 | 25313 | 10 | 14-804 | 18-876 | 25385 | 13 | 11-647 | 20-776 | 25457 | 20 | 4-408 | 23-374 |
| 25170 | 23 | 24-802 | 14-833 | 25242* | 42 | 14-971 | 16-644 | 25314 | 24 | 15-578 | 18-142 | 25386 | 20 | 12-304 | 20-922 | 25458 | 19 | 5-020 | 23-755 |
| 25171 | 60 | 0-375 | 15-960 | 25243* | 30 | 15-126 | 16-096 | 25315 | 37 | 16-173 | 18-087 | 25387 | 16 | 13-849 | 20-428 | 25459 | 16 | 5-708 | 23-044 |
| 25172 | 26 | 0-984 | 15-770 | 25244 | 23 | 15-739 | 16-132 | 25316 | 18 | 16-480 | 18-821 | 25388 | 10 | 14-152 | 20-554 | 25460* | 86 | 5-841 | 23-401 |
| 25173 | 16 | 1-786 | 15-698 | 25245 | 15 | 17-536 | 16-618 | 25317 | 12 | 17-378 | 18-736 | 25389 | 13 | 14-216 | 20-123 | 25461 | 14 | 8-984 | 23-212 |
| 25174 | 26 | 2-298 | 15-914 | 25246 | 37 | 17-686 | 16-141 | 25318 | 17 | 18-067 | 18-336 | 25390 | 36 | 16-762 | 20-666 | 25462 | 14 | 9-378 | 23-967 |
| 25175 | 10 | 2-484 | 15-527 | 25247 | 15 | 18-442 | 16-836 | 25319 | 17 | 18-186 | 18-478 | 25391 | 32 | 17-168 | 20-279 | 25463 | 19 | 9-684 | 23-587 |
| 25176 | 18 | 2-608 | 15-394 | 25248 | 28 | 19-550 | 16-434 | 25320 | 24 | 18-230 | 18-862 | 25392 | 11 | 17-175 | 20-886 | 25464 | 36 | 9-738 | 23-722 |
| 25177* | 76 | 5-531 | 15-220 | 25249 | 20 | 20-764 | 16-517 | 25321 | 18 | 20-468 | 18-850 | 25393 | 17 | 17-484 | 20-452 | 25465 | 11 | 10-116 | 23-722 |
| 25178 | 13 | 5-842 | 15-189 | 25250 | 20 | 21-044 | 16-233 | 25322 | 24 | 20-727 | 18-236 | 25394 | 10 | 17-892 | 20-020 | 25466 | 17 | 10-948 | 23-504 |
| 25179 | 14 | 6-125 | 15-486 | 25251 | 13 | 21-583 | 16-663 | 25323 | 11 | 20-908 | 18-708 | 25395 | 13 | 18-418 | 20-889 | 25467 | 15 | 11-228 | 23-223 |
| 25180 | 25 | 6-178 | 15-605 | 25252 | 13 | 22-200 | 16-760 | 25324 | 14 | 21-061 | 18-126 | 25396 | 14 | 20-804 | 20-256 | 25468 | 13 | 12-730 | 23-366 |
| 25181* | 79 | 6-664 | 15-422 | 25253 | 13 | 22-692 | 16-460 | 25325 | 18 | 22-026 | 18-658 | 25397 | 44 | 22-125 | 20-186 | 25469 | 12 | 13-445 | 23-602 |
| 25182 | 43 | 7-210 | 15-926 | 25254 | 15 | 22-964 | 16-664 | 25326 | 15 | 22-525 | 18-403 | 25398 | 16 | 22-314 | 20-872 | 25470 | 15 | 14-292 | 23-762 |
| 25183 | 13 | 7-812 | 15-332 | 25255 | 13 | 23-036 | 16-658 | 25327 | 34 | 22-534 | 18-801 | 25399 | 44 | 23-848 | 20-414 | 25471 | 23 | 15-006 | 23-806 |
| 25184 | 13 | 8-772 | 15-508 | 25256 | 11 | 23-555 | 16-471 | 25328 | 18 | 23-564 | 18-368 | 25400 | 21 | 24-854 | 20-476 | 25472 | 26 | 15-768 | 23-956 |
| 25185 | 9 | 9-216 | 15-336 | 25257 | 14 | 25-620 | 16-558 | 25329 | 30 | 23-421 | 18-624 | 25401 | 14 | 2-606 | 21-771 | 25473 | 25 | 16-620 | 23-975 |
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| 25187 | 13 | 9-464 | 15-575 | 25259 | 20 | 1-690 | 17-015 | 25331 | 40 | 25-253 | 18-424 | 25403 | 18 | 4-590 | 21-952 | 25475 | 32 | 17-502 | 23-244 |
| 25188 | 14 | 9-856 | 15-388 | 25260 | 32 | 1-722 | 17-218 | 25332 | 9 | 25-792 | 18-304 | 25404 | 17 | 6-214 | 21-410 | 25476 | 36 | 18-616 | 23-934 |
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| 25192 | 17 | 12-780 | 15-102 | 25264 | 15 | 2-687 | 17-864 | 25336 | 17 | 3-121 | 19-030 | 25408 | 20 | 9-726 | 21-065 | 25480 | 30 | 23-189 | 23-140 |
| 25193 | 15 | 14-450 | 15-556 | 25265 | 13 | 2-772 | 17-311 | 25337 | 14 | 3-986 | 19-156 | 25409 | 12 | 12-180 | 21-604 | 25481 | 13 | 25-235 | 23-743 |
| 25194 | 17 | 14-536 | 15-072 | 25266 | 11 | 3-738 | 17-591 | 25338 | 38 | 3-994 | 19-832 | 25410 | 26 | 12-873 | 21-730 | 25482 | 16 | 25-605 | 23-135 |
| 25195 | 23 | 15-340 | 15-742 | 25267 | 23 | 4-674 | 17-933 | 25339 | 23 | 3-995 | 19-932 | 25411 | 22 | 12-934 | 21-606 | 25483 | 13 | 0-500 | 24-754 |
| 25196 | 28 | 15-761 | 15-814 | 25268 | 14 | 5-966 | 17-628 | 25340 | 18 | 4-458 | 19-983 | 25412 | 24 | 13-266 | 21-380 | 25484 | 28 | 1-100 | 24-666 |
| 25197 | 13 | 16-020 | 15-588 | 25269 | 37 | 6-376 | 17-202 | 25341 | 14 | 5-081 | 19-622 | 25413 | 11 | 13-633 | 21-308 | 25485 | 16 | 3-358 | 24-902 |
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| 25199 | 10 | 16-473 | 15-385 | 25271 | 15 | 8-130 | 17-446 | 25343 | 19 | 5-957 | 19-502 | 25415* | 41 | 15-230 | 21-6 | | | | |

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|--------|----|--------|--------|-------|----|--------|-------|-------|----|--------|-------|--------|----|--------|-------|-------|----|--------|-------|----|--------|-------|--------|----|--------|-------|-------|----|--------|-------|-------|----|--------|-------|
| 25498 | 32 | 14-572 | 24-561 | 25560 | 20 | 12-247 | 0-470 | 25632 | 13 | 11-466 | 2-370 | 25704 | 30 | 10-682 | 4-019 | 25776 | 11 | 11-878 | 6-440 | | | | | | | | | | | | | | | |
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| 25501 | 34 | 16-774 | 24-156 | 25563 | 20 | 13-768 | 0-306 | 25635 | 13 | 14-270 | 2-866 | 25707 | 24 | 21-018 | 4-050 | 25779 | 13 | 13-174 | 6-801 | | | | | | | | | | | | | | | |
| 25502 | 29 | 18-224 | 24-632 | 25564 | 58 | 14-286 | 0-778 | 25636 | 16 | 14-588 | 2-285 | 25708 | 12 | 21-743 | 4-706 | 25780 | 15 | 13-918 | 6-776 | | | | | | | | | | | | | | | |
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| 25504 | 15 | 18-490 | 24-598 | 25566 | 14 | 17-670 | 0-024 | 25638 | 12 | 15-465 | 2-360 | 25710 | 21 | 25-306 | 4-086 | 25782 | 12 | 15-422 | 6-052 | | | | | | | | | | | | | | | |
| 25505 | 17 | 19-026 | 24-648 | 25567 | 14 | 18-284 | 0-566 | 25639 | 18 | 15-785 | 2-000 | 25711 | 11 | 25-354 | 4-220 | 25783 | 13 | 15-822 | 6-686 | | | | | | | | | | | | | | | |
| 25506 | 10 | 20-869 | 24-002 | 25568 | 15 | 19-060 | 0-956 | 25640 | 14 | 15-950 | 2-099 | 25712 | 11 | 3-441 | 5-607 | 25784 | 20 | 15-913 | 6-085 | | | | | | | | | | | | | | | |
| 25507 | 12 | 22-170 | 24-049 | 25569 | 20 | 20-286 | 0-884 | 25641 | 25 | 16-317 | 2-624 | 25713 | 13 | 3-460 | 5-330 | 25785 | 18 | 17-179 | 6-510 | | | | | | | | | | | | | | | |
| 25508 | 13 | 22-240 | 24-158 | 25570 | 18 | 20-969 | 0-252 | 25642 | 37 | 18-622 | 2-346 | 25714 | 14 | 4-650 | 5-078 | 25786 | 13 | 17-462 | 6-804 | | | | | | | | | | | | | | | |
| 25509 | 16 | 23-402 | 24-158 | 25571 | 19 | 21-307 | 0-040 | 25643 | 13 | 18-788 | 2-703 | 25715 | 12 | 5-560 | 5-052 | 25787 | 14 | 17-802 | 6-492 | | | | | | | | | | | | | | | |
| 25510* | 54 | 23-942 | 24-296 | 25572 | 13 | 21-600 | 0-410 | 25644 | 12 | 19-669 | 2-431 | 25716 | 35 | 5-608 | 5-180 | 25788 | 12 | 18-912 | 6-416 | | | | | | | | | | | | | | | |
| 25511 | 17 | 25-144 | 24-975 | 25573 | 19 | 21-857 | 0-414 | 25645 | 15 | 21-714 | 2-679 | 25717 | 12 | 5-756 | 5-074 | 25789 | 15 | 18-955 | 6-664 | | | | | | | | | | | | | | | |
| 25512 | 29 | 0-666 | 25-102 | 25574 | 12 | 21-936 | 0-381 | 25646 | 14 | 22-377 | 2-058 | 25718 | 12 | 6-403 | 5-056 | 25790 | 12 | 19-401 | 6-047 | | | | | | | | | | | | | | | |
| 25513 | 37 | 5-434 | 25-517 | 25575 | 13 | 23-210 | 0-218 | 25647 | 19 | 22-388 | 2-050 | 25719 | 10 | 7-134 | 5-352 | 25791 | 15 | 20-216 | 6-675 | | | | | | | | | | | | | | | |
| 25514 | 13 | 5-610 | 25-351 | 25576 | 11 | 23-326 | 0-992 | 25648 | 16 | 24-070 | 2-203 | 25720* | 51 | 7-700 | 5-218 | 25792 | 36 | 20-219 | 6-234 | | | | | | | | | | | | | | | |
| 25515 | 11 | 6-766 | 25-323 | 25577 | 15 | 24-046 | 0-944 | 25649 | 16 | 0-224 | 3-720 | 25721 | 14 | 7-604 | 5-020 | 25793 | 12 | 20-268 | 6-450 | | | | | | | | | | | | | | | |
| 25516 | 30 | 6-914 | 25-287 | 25578 | 20 | 25-678 | 0-071 | 25650 | 18 | 0-673 | 3-074 | 25722 | 13 | 9-084 | 5-106 | 25794 | 37 | 20-450 | 6-072 | | | | | | | | | | | | | | | |
| 25517 | 13 | 8-509 | 25-000 | 25579 | 28 | 1-132 | 1-129 | 25651 | 11 | 0-888 | 3-670 | 25723 | 17 | 9-546 | 5-493 | 25795 | 10 | 20-527 | 6-518 | | | | | | | | | | | | | | | |
| 25518 | 18 | 9-456 | 25-834 | 25580 | 13 | 2-887 | 1-262 | 25652 | 12 | 2-200 | 3-657 | 25724 | 13 | 10-090 | 5-616 | 25796 | 24 | 20-700 | 6-816 | | | | | | | | | | | | | | | |
| 25519 | 18 | 9-555 | 25-772 | 25581 | 22 | 4-082 | 1-750 | 25653 | 26 | 4-733 | 3-548 | 25725 | 42 | 10-268 | 5-813 | 25797 | 11 | 23-608 | 6-773 | | | | | | | | | | | | | | | |
| 25520 | 15 | 10-010 | 25-428 | 25582 | 16 | 4-323 | 1-856 | 25654 | 15 | 5-200 | 3-949 | 25726 | 27 | 10-943 | 5-506 | 25798 | 25 | 24-144 | 6-069 | | | | | | | | | | | | | | | |
| 25521 | 12 | 11-149 | 25-149 | 25583 | 12 | 4-785 | 1-514 | 25655 | 24 | 5-706 | 3-685 | 25727 | 15 | 12-320 | 5-254 | 25799 | 22 | 24-209 | 6-666 | | | | | | | | | | | | | | | |
| 25522 | 15 | 11-716 | 25-291 | 25584 | 23 | 5-852 | 1-582 | 25656 | 12 | 7-677 | 3-525 | 25728 | 23 | 13-478 | 5-883 | 25800 | 11 | 25-720 | 6-542 | | | | | | | | | | | | | | | |
| 25523 | 13 | 12-370 | 25-906 | 25585 | 11 | 7-095 | 1-650 | 25657 | 17 | 7-738 | 3-409 | 25729 | 10 | 13-566 | 5-866 | 25801 | 18 | 25-285 | 6-886 | | | | | | | | | | | | | | | |
| 25524 | 11 | 13-116 | 25-337 | 25586 | 11 | 8-283 | 1-543 | 25658 | 15 | 9-020 | 3-821 | 25730 | 12 | 14-464 | 5-344 | 25802 | 15 | 25-300 | 6-800 | | | | | | | | | | | | | | | |
| 25525 | 24 | 16-517 | 25-490 | 25587 | 12 | 8-528 | 1-823 | 25659 | 23 | 9-997 | 3-768 | 25731 | 13 | 14-620 | 5-250 | 25803 | 27 | 0-244 | 7-238 | | | | | | | | | | | | | | | |
| 25526 | 16 | 16-566 | 25-436 | 25588 | 45 | 9-944 | 1-356 | 25660 | 18 | 10-117 | 3-955 | 25732 | 13 | 15-386 | 5-510 | 25804 | 16 | 0-752 | 7-786 | | | | | | | | | | | | | | | |
| 25527 | 34 | 17-776 | 25-907 | 25589 | 13 | 9-957 | 1-996 | 25661 | 13 | 12-008 | 3-624 | 25733 | 13 | 15-462 | 5-580 | 25805 | 13 | 0-756 | 7-982 | | | | | | | | | | | | | | | |
| 25528 | 16 | 17-246 | 25-084 | 25590 | 10 | 10-110 | 1-248 | 25662 | 29 | 12-724 | 3-480 | 25734 | 28 | 15-864 | 5-207 | 25806 | 15 | 0-815 | 7-882 | | | | | | | | | | | | | | | |
| 25529 | 20 | 19-036 | 25-114 | 25591 | 30 | 10-331 | 1-704 | 25663 | 12 | 12-738 | 3-338 | 25735 | 14 | 16-230 | 5-824 | 25807 | 10 | 1-626 | 7-720 | | | | | | | | | | | | | | | |
| 25530 | 17 | 19-454 | 25-485 | 25592 | 49 | 10-580 | 1-033 | 25664 | 18 | 12-934 | 3-067 | 25736 | 11 | 17-214 | 5-286 | 25808 | 32 | 2-112 | 7-926 | | | | | | | | | | | | | | | |
| 25531 | 20 | 20-384 | 25-620 | 25593 | 20 | 12-135 | 1-174 | 25665 | 22 | 13-560 | 3-518 | 25737* | 44 | 17-316 | 5-296 | 25809 | 11 | 2-145 | 7-438 | | | | | | | | | | | | | | | |
| 25532 | 23 | 20-824 | 25-386 | 25594 | 17 | 12-554 | 1-060 | 25666 | 27 | 13-584 | 3-823 | 25738 | 11 | 17-458 | 5-278 | 25810 | 15 | 2-600 | 7-598 | | | | | | | | | | | | | | | |
| 25533 | 44 | 22-218 | 25-099 | 25595 | 27 | 13-071 | 1-273 | 25667 | 19 | 14-913 | 3-461 | 25739 | 10 | 17-523 | 5-534 | 25811 | 13 | 2-713 | 7-400 | | | | | | | | | | | | | | | |
| 25534 | 33 | 23-742 | 25-545 | 25596 | 21 | 13-048 | 1-620 | 25668 | 13 | 14-818 | 3-908 | 25740 | 14 | 17-575 | 5-736 | 25812 | 21 | 3-166 | 7-278 | | | | | | | | | | | | | | | |
| 25535 | 12 | 24-030 | 25-352 | 25597 | 14 | 14-880 | 1-274 | 25669 | 9 | 16-516 | 3-502 | 25741 | 11 | 17-894 | 5-566 | 25813 | 23 | 4-937 | 7-336 | | | | | | | | | | | | | | | |
| 25536 | 22 | 25-125 | 25-882 | 25598 | 12 | 14-975 | 1-445 | 25670 | 16 | 16-706 | 3-528 | 25742 | 16 | 17-941 | 5-626 | 25814 | 39 | 4-174 | 7-798 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 25599 | 27 | 15-453 | 1-136 | 25671* | 57 | 16-836 | 3-284 | 25743 | 24 | 19-454 | 5-626 | 25815 | 10 | 5-500 | 7-116 |
| | | | | | | | | | | | | | | | | | | | 25600 | 15 | 15-824 | 1-616 | 25672 | 23 | 17-018 | 3-075 | 25744 | 34 | 19-545 | 5-618 | 25816 | 13 | 5-674 | 7-095 |
| | | | | | | | | | | | | | | | | | | | 25601 | 12 | 17-810 | 1-690 | 25673 | 12 | 18-375 | 3-938 | 25745 | 13 | 19-725 | 5-603 | 25817 | 16 | 6-668 | 7-554 |
| | | | | | | | | | | | | | | | | | | | 25602 | 10 | 17-924 | 1-103 | 25674 | 12 | 18-556 | 3-109 | 25746 | 9 | 19-732 | 5-594 | 25818 | 13 | 7-484 | 7-800 |
| | | | | | | | | | | | | | | | | | | | 25603 | 10 | 18-204 | 1-896 | 25675 | 12 | 19-096 | 3-627 | 25747 | 12 | 21-272 | 5-454 | 25819 | 10 | 8-375 | 7-050 |
| | | | | | | | | | | | | | | | | | | | 25604 | 34 | 18-870 | 1-272 | 25676 | 12 | 21-156 | 3-268 | 25748 | 13 | 21-564 | 5-050 | 25820 | 13 | 8-488 | 7-204 |
| | | | | | | | | | | | | | | | | | | | 25605 | 26 | 18-880 | 1-650 | 25677 | 10 | 22-990 | 3-187 | 25749 | 12 | 21-970 | 5-843 | 25821 | 15 | 8-814 | 7-102 |
| | | | | | | | | | | | | | | | | | | | 25606 | 18 | 19-450 | 1-610 | 25678 | 11 | 23-661 | 3-786 | 25750 | 15 | 22-418 | 5-078 | 25822 | 20 | 8-818 | 7-660 |
| | | | | | | | | | | | | | | | | | | | 25607 | 27 | 20-685 | 1-062 | 25679 | 23 | 25-568 | 3-354 | 25751 | 14 | 23-723 | 5-594 | 25823 | 11 | 9-648 | 7-524 |
| | | | | | | | | | | | | | | | | | | | 25608 | 12 | 21-210 | 1-950 | 25680 | 12 | 0-664 | 4-042 | 25752 | 10 | 24-773 | 5-316 | 25824 | 14 | 10-694 | 7-367 |
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| | | | | | | | | | | | | | | | | | | | 25610 | 10 | 22-804 | 1-510 | 25682 | 23 | 1-816 | 4-516 | 25754 | 20 | 0-040 | 6-814 | 25826 | 12 | 11-812 | 7-596 |
| | | | | | | | | | | | | | | | | | | | 25611 | 25 | 24-620 | 1-452 | 25683 | 12 | 1-950 | 4-302 | 25755 | 16 | 1-319 | 6-337 | 25827 | 10 | 12-527 | 7-301 |
| | | | | | | | | | | | | | | | | | | | 25612 | 51 | 25-438 | 1-185 | 25684 | 12 | 2-392 | 4-790 | 25756 | 16 | 1-812 | 6-655 | 25828 | 27 | 12-570 | 7-800 |
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| | | | | | | | | | | | | | | | | | | | 25614 | 19 | 1-918 | 2-474 | 25686 | 10 | 4-190 | 4-600 | 25758 | 47 | 2-762 | 6-038 | 25830 | 12 | 14-178 | 7-828 |
| | | | | | | | | | | | | | | | | | | | 25615 | 9 | 2-111 | 2-150 | 25687 | 12 | 4-200 | 4-398 | 25759 | 21 | 3-842 | 6-328 | 25831 | 13 | 14-388 | 7-840 |
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| | | | | | | | | | | | | | | | | | | | 25617 | 18 | 2-495 | 2-636 | 25689 | 14 | 6-194 | 4-510 | 25761 | 34 | 4-120 | 6-366 | 25833 | 12 | 14-866 | 7-282 |
| | | | | | | | | | | | | | | | | | | | 25618 | 33 | 3-647 | 2-642 | 25690 | 13 | 6-474 | 4-466 | 25762 | 13 | 4-662 | 6-982 | 25834 | 15 | 15-190 | 7-772 |
| | | | | | | | | | | | | | | | | | | | 25619 | 24 | 5-137 | 2-551 | 25691 | 40 | 11-240 | 4-493 | 25763 | 11 | 5-159 | 6-502 | 25835 | 13 | 15-400 | 7-858 |
| | | | | | | | | | | | | | | | | | | | 25620 | 19 | 5-185 | 2-770 | 25692 | 25 | 11-660 | 4-808 | 25764 | 13 | 5-184 | 6-307 | 25836 | 17 | 15-886 | 7-762 |
| | | | | | | | | | | | | | | | | | | | 25621 | 19 | 5-756 | 2-557 | 25693 | 11 | 11-797 | 4-594 | 25765 | 25 | 5-385 | 6-144 | 25837 | 10 | 16-507 | 7-944 |
| | | | | | | | | | | | | | | | | | | | 25622 | 12 | 6-022 | 2-187 | 25694 | 13 | 12-878 | 4-712 | 25766 | 11 | 6-076 | 6-380 | 25838 | 11 | 16-614 | 7-350 |
| | | | | | | | | | | | | | | | | | | | 25623 | 20 | 6-716 | 2-402 | 25695 | 23 | 12-958 | 4-507 | 25767 | 14 | 6-656 | 6-598 | 25839 | 10 | 16-975 | 7-892 |
| | | | | | | | | | | | | | | | | | | | 25624 | 16 | 7-125 | 2-714 | 25696 | 13 | 13-902 | 4-864 | 25768 | 12 | 6-780 | 6-144 | 25840 | 22 | 17-052 | 7-343 |
| | | | | | | | | | | | | | | | | | | | 25625 | 43 | 8-532 | 2-600 | 25697 | 14 | 14-525 | 4-530 | 25769 | 16 | 6-893 | 6-357 | 25841 | 11 | 17-052 | 7-012 |
| | | | | | | | | | | | | | | | | | | | 25626 | 34 | 8-642 | 2-521 | 25698 | 12 | 14-714 | 4-900 | 25770 | 12 | 7-390 | 6-240 | 25842 | 13 | 17-417 | 7-724 |
| | | | | | | | | | | | | | | | | | | | 25627 | 14 | 9-420 | 2-416 | 25699* | 60 | 15-842 | 4-857 | 25771 | 15 | 7-720 | 6-410 | 25843 | 27 | 17-530 | 7-833 |
| | | | | | | | | | | | | | | | | | | | 25628 | 11 | 9-655 | 2-413 | 25700 | 13 | 15-850 | 4-505 | 25772 | 13 | 7-870 | 6-574 | 25844 | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|-------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
| 25848 | 11 | 19°620 | 7°456 | 25920 | 13 | 8°466 | 9°820 | 25992 | 13 | 18°020 | 10°936 | 26064 | 16 | 14°009 | 12°456 | 26136 | 18 | 11°900 | 14°670 |
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| 25850 | 23 | 20°165 | 7°810 | 25922 | 13 | 9°330 | 9°590 | 25994 | 12 | 18°916 | 10°940 | 26066 | 10 | 16°511 | 12°433 | 26138 | 22 | 13°190 | 14°720 |
| 25851 | 20 | 20°520 | 7°020 | 25923 | 21 | 9°400 | 9°420 | 25995 | 19 | 20°064 | 10°730 | 26067 | 14 | 17°462 | 12°441 | 26139 | 14 | 13°818 | 14°294 |
| 25852 | 23 | 21°743 | 7°270 | 25924 | 13 | 9°790 | 9°060 | 25996 | 16 | 22°020 | 10°736 | 26068 | 14 | 17°617 | 12°387 | 26140 | 24 | 14°037 | 14°237 |
| 25853 | 19 | 22°061 | 7°111 | 25925 | 13 | 10°146 | 9°505 | 25997 | 13 | 22°634 | 10°615 | 26069 | 12 | 17°875 | 12°011 | 26141 | 48 | 14°100 | 14°707 |
| 25854 | 16 | 22°040 | 7°061 | 25926 | 22 | 11°380 | 9°820 | 25998 | 17 | 22°894 | 10°023 | 26070 | 12 | 19°520 | 12°710 | 26142 | 14 | 16°408 | 14°634 |
| 25855 | 20 | 23°416 | 7°220 | 25927 | 18 | 11°512 | 9°593 | 25999 | 13 | 24°367 | 10°660 | 26071 | 12 | 19°913 | 12°948 | 26143 | 13 | 17°520 | 14°690 |
| 25856 | 11 | 23°606 | 7°010 | 25928 | 12 | 12°104 | 9°940 | 26000 | 12 | 25°216 | 10°953 | 26072 | 13 | 19°992 | 12°332 | 26144 | 36 | 17°544 | 14°486 |
| 25857 | 20 | 24°811 | 7°028 | 25929 | 16 | 12°596 | 9°777 | 26001 | 18 | 25°440 | 10°594 | 26073 | 12 | 21°222 | 12°032 | 26145 | 18 | 17°620 | 14°596 |
| 25858 | 9 | 0°116 | 8°057 | 25930 | 12 | 13°120 | 9°212 | 26002 | 17 | 0°290 | 11°986 | 26074 | 43 | 22°210 | 12°235 | 26146 | 13 | 17°918 | 14°288 |
| 25859 | 21 | 0°309 | 8°068 | 25931 | 12 | 13°568 | 9°542 | 26003 | 11 | 0°930 | 11°946 | 26075 | 13 | 23°079 | 12°250 | 26147 | 12 | 18°884 | 14°300 |
| 25860 | 17 | 0°346 | 8°856 | 25932 | 12 | 14°271 | 9°769 | 26004 | 37 | 0°980 | 11°500 | 26076 | 16 | 23°192 | 12°760 | 26148 | 27 | 19°076 | 14°156 |
| 25861 | 30 | 0°304 | 8°825 | 25933 | 11 | 14°519 | 9°722 | 26005 | 20 | 1°300 | 11°700 | 26077 | 27 | 0°058 | 13°521 | 26149 | 12 | 20°450 | 14°886 |
| 25862 | 22 | 1°322 | 8°372 | 25934 | 17 | 15°309 | 9°633 | 26006 | 12 | 1°790 | 11°145 | 26078 | 27 | 0°188 | 13°138 | 26150 | 16 | 20°598 | 14°159 |
| 25863 | 10 | 2°140 | 8°610 | 25935 | 30 | 15°710 | 9°033 | 26007 | 15 | 4°548 | 11°274 | 26079 | 12 | 0°254 | 13°446 | 26151 | 12 | 20°907 | 14°507 |
| 25864 | 62 | 2°344 | 8°072 | 25936 | 15 | 16°107 | 9°992 | 26008 | 20 | 6°107 | 11°556 | 26080 | 14 | 0°717 | 13°958 | 26152 | 12 | 22°168 | 14°964 |
| 25865 | 16 | 3°460 | 8°096 | 25937 | 33 | 16°426 | 9°434 | 26009 | 14 | 6°774 | 11°764 | 26081 | 18 | 1°657 | 13°387 | 26153 | 12 | 22°882 | 14°240 |
| 25866 | 14 | 3°756 | 8°100 | 25938 | 16 | 16°470 | 9°450 | 26010 | 15 | 7°180 | 11°228 | 26082 | 15 | 3°134 | 13°079 | 26154 | 11 | 23°326 | 14°557 |
| 25867 | 22 | 4°098 | 8°106 | 25939 | 25 | 16°774 | 9°039 | 26011 | 21 | 8°268 | 11°628 | 26083 | 30 | 3°365 | 13°228 | 26155 | 14 | 23°590 | 14°106 |
| 25868 | 10 | 4°726 | 8°178 | 25940 | 14 | 16°948 | 8°250 | 26012 | 12 | 8°711 | 11°652 | 26084 | 12 | 3°610 | 13°736 | 26156 | 14 | 24°087 | 14°916 |
| 25869 | 10 | 4°995 | 8°223 | 25941 | 14 | 16°977 | 9°107 | 26013 | 17 | 8°732 | 11°166 | 26085 | 39 | 3°714 | 13°722 | 26157 | 18 | 24°144 | 14°552 |
| 25870 | 26 | 5°149 | 8°178 | 25942 | 24 | 17°186 | 8°820 | 26014 | 22 | 9°690 | 11°383 | 26086 | 12 | 4°834 | 13°370 | 26158 | 12 | 24°334 | 14°106 |
| 25871 | 15 | 5°846 | 8°593 | 25943 | 15 | 17°616 | 9°040 | 26015 | 12 | 10°260 | 11°277 | 26087 | 11 | 5°100 | 13°703 | 26159 | 12 | 25°255 | 14°545 |
| 25872 | 10 | 7°104 | 8°518 | 25944 | 32 | 18°216 | 9°137 | 26016 | 12 | 10°892 | 11°558 | 26088 | 17 | 7°603 | 13°407 | 26160 | 21 | 0°838 | 15°793 |
| 25873 | 13 | 7°390 | 8°445 | 25945 | 13 | 18°573 | 9°630 | 26017 | 11 | 13°326 | 11°209 | 26089 | 16 | 7°617 | 13°133 | 26161 | 33 | 1°102 | 15°560 |
| 25874 | 16 | 7°503 | 8°341 | 25946 | 23 | 19°072 | 9°890 | 26018 | 11 | 13°550 | 11°806 | 26090 | 16 | 7°736 | 13°545 | 26162 | 12 | 1°362 | 15°177 |
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| 25877 | 13 | 9°446 | 8°216 | 25949 | 21 | 19°850 | 9°216 | 26021 | 18 | 15°112 | 11°662 | 26093 | 21 | 8°632 | 13°912 | 26165 | 13 | 3°696 | 15°012 |
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| 25884 | 13 | 12°376 | 8°810 | 25956 | 11 | 23°621 | 9°450 | 26028 | 10 | 20°456 | 11°248 | 26100 | 14 | 12°393 | 13°606 | 26172 | 11 | 5°556 | 15°291 |
| 25885 | 15 | 12°624 | 8°096 | 25957 | 12 | 0°500 | 10°106 | 26029 | 14 | 21°105 | 11°751 | 26101 | 26 | 12°997 | 13°065 | 26173 | 12 | 6°047 | 15°167 |
| 25886 | 12 | 13°282 | 8°865 | 25958 | 17 | 0°040 | 10°080 | 26030 | 12 | 23°314 | 11°984 | 26102 | 12 | 13°625 | 13°166 | 26174 | 14 | 6°208 | 15°834 |
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| 25891 | 12 | 16°213 | 8°112 | 25963 | 30 | 3°406 | 10°895 | 26035 | 23 | 1°674 | 12°738 | 26107 | 32 | 17°379 | 13°750 | 26179 | 19 | 7°132 | 15°830 |
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| 25902 | 21 | 21°289 | 8°270 | 25974 | 16 | 9°608 | 10°837 | 26046 | 24 | 5°157 | 12°406 | 26118 | 12 | 2°411 | 14°744 | 26190 | 18 | 10°160 | 15°320 |
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|--------|----|--------|--------|--------|-----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|
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| 26256 | 14 | 22-606 | 16-789 | 26328 | 14 | 7-884 | 18-474 | 26400 | 23 | 22-654 | 19-096 | 26472 | 22 | 15-400 | 21-884 | 26544 | 16 | 9-170 | 23-773 |
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| 27006 | 10 | 22-105 | 9-047 | 27078 | 9 | 23-224 | 11-21 | | | | | | | | | | | | |

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| 27335 | 47 | 3°939 | 18°858 | 27407 | 15 | 12°335 | 20°859 | 27479 | 11 | 14°778 | 22°561 | 27551 | 27 | 8°424 | 24°198 |
| 27336 | 10 | 4°286 | 18°168 | 27408 | 18 | 13°248 | 20°300 | 27480 | 9 | 16°414 | 22°651 | 27552 | 8 | 8°840 | 24°356 |
| 27337 | 10 | 5°384 | 18°123 | 27409 | 13 | 16°624 | 20°633 | 27481 | 40 | 16°500 | 22°342 | 27553 | 26 | 9°406 | 24°940 |
| 27338 | 10 | 5°595 | 18°886 | 27410 | 15 | 13°902 | 20°168 | 27482 | 13 | 16°560 | 22°444 | 27554 | 10 | 9°422 | 24°940 |
| 27339 | 14 | 6°313 | 18°526 | 27411 | 24 | 14°452 | 20°890 | 27483 | 8 | 17°056 | 22°502 | 27555 | 8 | 10°635 | 24°214 |
| 27340 | 10 | 6°982 | 18°702 | 27412 | 25 | 15°114 | 20°306 | 27484 | 10 | 17°615 | 22°530 | 27556 | 11 | 12°242 | 24°454 |
| 27341 | 51 | 7°458 | 18°652 | 27413 | 11 | 15°800 | 20°668 | 27485 | 12 | 17°070 | 22°680 | 27557 | 12 | 13°654 | 24°052 |
| 27342 | 28 | 8°025 | 18°252 | 27414 | 12 | 16°118 | 20°907 | 27486 | 10 | 17°718 | 22°102 | 27558 | 82 | 13°750 | 24°870 |
| 27343 | 10 | 8°456 | 18°783 | 27415 | 31 | 16°428 | 20°918 | 27487 | 22 | 17°840 | 22°858 | 27559 | 24 | 14°920 | 24°492 |
| 27344 | 21 | 9°220 | 18°700 | 27416 | 9 | 16°452 | 20°154 | 27488 | 35 | 17°927 | 22°485 | 27560 | 24 | 15°046 | 24°907 |
| 27345 | 10 | 10°636 | 18°130 | 27417 | 9 | 16°504 | 20°286 | 27489 | 8 | 18°872 | 22°600 | 27561 | 13 | 15°140 | 24°903 |
| 27346 | 14 | 10°818 | 18°432 | 27418 | 9 | 17°154 | 20°876 | 27490 | 8 | 18°064 | 22°520 | 27562 | 11 | 15°818 | 24°494 |
| 27347 | 10 | 10°832 | 18°531 | 27419 | 13 | 17°253 | 20°602 | 27491 | 20 | 19°692 | 22°638 | 27563 | 28 | 16°500 | 24°358 |
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| 27349 | 8 | 12°041 | 18°628 | 27421 | 10 | 17°880 | 20°674 | 27493 | 10 | 20°414 | 22°027 | 27565 | 10 | 18°408 | 24°936 |
| 27350 | 67 | 13°061 | 18°900 | 27422 | 10 | 17°936 | 20°842 | 27494 | 22 | 20°664 | 22°324 | 27566 | 18 | 19°916 | 24°054 |
| 27351 | 44 | 13°429 | 18°747 | 27423 | 11 | 17°998 | 20°230 | 27495 | 20 | 20°974 | 22°824 | 27567 | 23 | 19°939 | 24°976 |
| 27352 | 8 | 14°142 | 18°544 | 27424 | 39 | 18°356 | 20°800 | 27496 | 11 | 21°492 | 22°492 | 27568 | 12 | 20°132 | 24°600 |
| 27353 | 11 | 15°276 | 18°373 | 27425 | 10 | 18°776 | 20°486 | 27497 | 25 | 22°224 | 22°993 | 27569 | 47 | 21°456 | 24°004 |
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| 27358 | 8 | 24°187 | 18°013 | 27430 | 28 | 24°528 | 20°988 | 27502 | 13 | 23°459 | 22°462 | 27574 | 18 | 2°064 | 25°170 |
| 27359 | 22 | 25°818 | 18°615 | 27431 | 14 | 24°706 | 20°250 | 27503 | 12 | 23°534 | 22°896 | 27575 | 34 | 2°159 | 25°302 |
| 27360 | 31 | 0°198 | 19°726 | 27432 | 14 | 24°999 | 20°626 | 27504 | 29 | 23°562 | 22°460 | 27576 | 11 | 2°196 | 25°092 |
| 27361 | 24 | 0°710 | 19°171 | 27433 | 10 | 1°450 | 21°866 | 27505 | 8 | 24°965 | 22°396 | 27577 | 14 | 2°715 | 25°243 |
| 27362 | 8 | 3°024 | 19°834 | 27434 | 20 | 1°962 | 21°285 | 27506 | 15 | 25°789 | 22°244 | 27578 | 21 | 3°142 | 25°044 |
| 27363 | 9 | 3°116 | 19°012 | 27435 | 14 | 2°600 | 21°671 | 27507 | 17 | 2°606 | 23°608 | 27579 | 10 | 5°470 | 25°223 |
| 27364 | 13 | 3°170 | 19°869 | 27436 | 38 | 3°262 | 21°683 | 27508 | 10 | 2°852 | 23°178 | 27580 | 10 | 10°678 | 25°225 |
| 27365 | 10 | 4°102 | 19°388 | 27437 | 11 | 3°960 | 21°900 | 27509 | 10 | 3°466 | 23°152 | 27581 | 29 | 11°386 | 25°143 |
| 27366 | 16 | 4°924 | 19°953 | 27438 | 24 | 4°710 | 21°890 | 27510 | 17 | 4°044 | 23°156 | 27582 | 12 | 11°846 | 25°409 |
| 27367 | 16 | 4°956 | 19°966 | 27439 | 34 | 6°246 | 21°625 | 27511 | 10 | 4°052 | 23°208 | 27583 | 12 | 13°384 | 25°007 |
| 27368 | 26 | 5°841 | 19°714 | 27440 | 11 | 6°784 | 21°926 | 27512 | 12 | 4°091 | 23°260 | 27584 | 13 | 14°798 | 25°160 |
| 27369 | 67 | 6°151 | 19°453 | 27441 | 13 | 6°849 | 21°641 | 27513 | 9 | 5°374 | 23°803 | 27585 | 19 | 15°106 | 25°684 |
| 27370 | 28 | 6°988 | 19°178 | 27442 | 37 | 7°802 | 21°914 | 27514 | 31 | 5°796 | 23°188 | 27586 | 10 | 15°328 | 25°144 |
| 27371 | 12 | 7°066 | 19°638 | 27443 | 21 | 9°320 | 21°450 | 27515 | 24 | 6°118 | 23°420 | 27587 | 44 | 18°540 | 25°558 |
| 27372 | 10 | 7°287 | 19°394 | 27444 | 8 | 9°340 | 21°707 | 27516 | 15 | 6°414 | 23°593 | 27588 | 12 | 19°054 | 25°234 |
| 27373 | 29 | 7°347 | 19°950 | 27445 | 32 | 9°554 | 21°378 | 27517 | 10 | 6°686 | 23°014 | 27589 | 24 | 24°056 | 25°158 |
| 27374 | 8 | 7°381 | 19°366 | 27446 | 10 | 10°271 | 21°127 | 27518 | 8 | 7°443 | 23°477 | | | | |
| 27375 | 11 | 8°476 | 19°708 | 27447 | 21 | 10°714 | 21°488 | 27519 | 8 | 8°714 | 23°053 | | | | |

R.A. 8^h 12^m

Plate 956; 1917 Jan. 22.

Provisional Constants.

| | | |
|--------|--------|--------|
| A | B | C |
| -02588 | +00514 | +01270 |

| | | |
|--------|--------|--------|
| D | E | F |
| -00543 | -02584 | -01365 |

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| No. | d | x | y |
|-------|----|--------|-------|
| 27601 | 13 | 1°427 | 0°186 |
| 27602 | 17 | 5°478 | 0°512 |
| 27603 | 10 | 9°474 | 0°311 |
| 27604 | 11 | 10°065 | 0°308 |
| 27605 | 8 | 11°396 | 0°075 |
| 27606 | 8 | 13°466 | 0°072 |
| 27607 | 18 | 14°770 | 0°708 |
| 27608 | 27 | 14°800 | 0°533 |
| 27609 | 12 | 15°842 | 0°748 |
| 27610 | 8 | 16°150 | 0°665 |
| 27611 | 20 | 17°350 | 0°651 |
| 27612 | 24 | 20°000 | 0°866 |
| 27613 | 21 | 21°694 | 0°176 |
| 27614 | 11 | 24°009 | 0°686 |
| 27615 | 10 | 24°588 | 0°747 |
| 27616 | 9 | 24°834 | 0°670 |
| 27617 | 9 | 25°786 | 0°475 |
| 27618 | 11 | 1°379 | 1°050 |
| 27619 | 8 | 1°612 | 1°920 |
| 27620 | 10 | 1°630 | 1°902 |
| 27621 | 16 | 2°634 | 1°626 |
| 27622 | 16 | 2°907 | 1°036 |
| 27623 | 13 | 5°800 | 1°837 |
| 27624 | 9 | 6°742 | 1°022 |
| 27625 | 25 | 7°218 | 1°435 |
| 27626 | 11 | 7°466 | 1°063 |
| 27627 | 11 | 8°363 | 1°877 |
| 27628 | 31 | 8°588 | 1°045 |
| 27629 | 30 | 9°481 | 1°050 |
| 27630 | 10 | 14°616 | 1°755 |
| 27631 | 15 | 15°568 | 1°126 |
| 27632 | 16 | 18°056 | 1°361 |
| 27633 | 8 | 18°076 | 1°171 |
| 27634 | 24 | 22°217 | 1°212 |
| 27635 | 21 | 22°227 | 1°495 |
| 27636 | 12 | 24°550 | 1°646 |
| 27637 | 14 | 25°866 | 1°644 |
| 27638 | 11 | 1°000 | 2°156 |
| 27639 | 15 | 1°064 | 2°515 |
| 27640 | 18 | 2°590 | 2°465 |
| 27641 | 23 | 3°998 | 2°161 |
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| 27643 | 8 | 4°506 | 2°024 |
| 27644 | 13 | 4°686 | 2°535 |
| 27645 | 22 | 4°868 | 2°511 |
| 27646 | 18 | 4°916 | 2°385 |
| 27647 | 14 | 7°296 | 2°485 |
| 27648 | 8 | 8°174 | 2°859 |
| 27649 | 8 | 9°830 | 2°270 |
| 27650 | 35 | 11°404 | 2°727 |
| 27651 | 23 | 11°542 | 2°145 |
| 27652 | 10 | 11°766 | 2°205 |
| 27653 | 8 | 11°781 | 2°825 |
| 27654 | 11 | 11°848 | 2°866 |
| 27655 | 11 | 11°866 | 2°780 |

| | | | | | | | | | | | | | | | | | | | |
|--------|----|---------|--------|--------|----|---------|--------|--------|----|---------|--------|--------|----|---------|---------|--------|----|---------|---------|
| 27656 | 8 | 14° 704 | 2° 037 | 27728 | 10 | 21° 670 | 5° 768 | 27800 | 23 | 22° 924 | 7° 335 | 27872 | 10 | 4° 055 | 10° 334 | 27944 | 13 | 3° 546 | 12° 488 |
| 27657* | 41 | 16° 984 | 2° 141 | 27729 | 11 | 21° 670 | 5° 982 | 27801 | 11 | 23° 506 | 7° 520 | 27873 | 10 | 4° 203 | 10° 012 | 27945 | 10 | 4° 100 | 12° 165 |
| 27658 | 8 | 17° 023 | 2° 806 | 27730 | 10 | 22° 447 | 5° 217 | 27802 | 10 | 25° 002 | 7° 342 | 27874 | 10 | 4° 008 | 10° 882 | 27946 | 16 | 4° 066 | 12° 089 |
| 27659 | 12 | 17° 726 | 2° 781 | 27731 | 10 | 23° 585 | 5° 828 | 27803 | 13 | 25° 045 | 7° 617 | 27875 | 14 | 7° 302 | 10° 072 | 27947 | 12 | 7° 127 | 12° 190 |
| 27660 | 10 | 17° 743 | 2° 352 | 27732 | 9 | 24° 284 | 5° 676 | 27804* | 45 | 25° 244 | 7° 709 | 27876 | 10 | 7° 500 | 10° 432 | 27948 | 8 | 7° 218 | 12° 520 |
| 27661 | 19 | 18° 052 | 2° 187 | 27733 | 13 | 24° 515 | 5° 250 | 27805 | 8 | 25° 801 | 7° 316 | 27877 | 9 | 7° 987 | 10° 141 | 27949 | 21 | 7° 083 | 12° 208 |
| 27662* | 44 | 20° 511 | 2° 550 | 27734 | 32 | 0° 512 | 6° 100 | 27806 | 31 | 1° 049 | 8° 602 | 27878 | 11 | 8° 808 | 10° 642 | 27950 | 14 | 8° 336 | 12° 534 |
| 27663 | 24 | 20° 878 | 2° 521 | 27735 | 11 | 0° 873 | 6° 404 | 27807 | 10 | 1° 345 | 8° 762 | 27879 | 12 | 9° 590 | 10° 956 | 27951 | 10 | 9° 954 | 12° 145 |
| 27664 | 25 | 22° 506 | 2° 996 | 27736 | 21 | 1° 345 | 6° 376 | 27808 | 10 | 1° 960 | 8° 732 | 27880 | 26 | 11° 737 | 10° 384 | 27952 | 8 | 10° 246 | 12° 900 |
| 27665 | 9 | 23° 088 | 2° 032 | 27737 | 17 | 1° 906 | 6° 218 | 27809 | 9 | 2° 162 | 8° 420 | 27881 | 20 | 12° 140 | 10° 855 | 27953 | 10 | 10° 358 | 12° 035 |
| 27666 | 13 | 0° 302 | 3° 493 | 27738 | 9 | 2° 122 | 6° 106 | 27810 | 9 | 2° 279 | 8° 512 | 27882 | 9 | 13° 402 | 10° 004 | 27954 | 11 | 11° 444 | 12° 008 |
| 27667 | 20 | 3° 130 | 3° 340 | 27739 | 34 | 3° 936 | 6° 434 | 27811 | 18 | 2° 666 | 8° 747 | 27883* | 43 | 13° 902 | 10° 802 | 27955 | 12 | 11° 675 | 12° 943 |
| 27668 | 11 | 4° 124 | 3° 606 | 27740 | 16 | 5° 452 | 6° 452 | 27812 | 10 | 4° 262 | 8° 940 | 27884 | 23 | 14° 192 | 10° 548 | 27956 | 12 | 12° 109 | 12° 777 |
| 27669 | 13 | 5° 001 | 3° 939 | 27741 | 16 | 7° 816 | 6° 088 | 27813* | 40 | 6° 060 | 8° 681 | 27885 | 24 | 14° 332 | 10° 628 | 27957 | 9 | 13° 106 | 12° 002 |
| 27670 | 11 | 7° 074 | 3° 378 | 27742 | 22 | 8° 011 | 6° 610 | 27814 | 28 | 6° 420 | 8° 650 | 27886 | 10 | 14° 876 | 10° 302 | 27958 | 9 | 13° 106 | 12° 002 |
| 27671 | 35 | 8° 574 | 3° 224 | 27743 | 11 | 9° 070 | 6° 071 | 27815 | 12 | 7° 554 | 8° 572 | 27887* | 39 | 16° 150 | 10° 268 | 27959 | 10 | 16° 038 | 12° 296 |
| 27672 | 13 | 8° 729 | 3° 325 | 27744 | 14 | 9° 709 | 6° 548 | 27816 | 12 | 7° 672 | 8° 333 | 27888 | 10 | 16° 156 | 10° 670 | 27960 | 20 | 17° 811 | 12° 464 |
| 27673 | 11 | 9° 186 | 3° 527 | 27745 | 10 | 12° 186 | 6° 406 | 27817 | 11 | 7° 672 | 8° 002 | 27889 | 8 | 17° 352 | 10° 167 | 27961 | 33 | 18° 779 | 12° 126 |
| 27674 | 9 | 9° 311 | 3° 867 | 27746 | 11 | 12° 830 | 6° 192 | 27818 | 11 | 8° 500 | 8° 261 | 27890 | 10 | 18° 073 | 10° 760 | 27962 | 10 | 18° 863 | 12° 560 |
| 27675* | 42 | 13° 015 | 3° 957 | 27747 | 27 | 12° 852 | 6° 400 | 27819 | 10 | 8° 551 | 8° 953 | 27891 | 8 | 18° 604 | 10° 424 | 27963 | 13 | 19° 576 | 12° 774 |
| 27676 | 8 | 14° 348 | 3° 300 | 27748 | 17 | 12° 930 | 6° 153 | 27820 | 10 | 9° 339 | 8° 008 | 27892 | 10 | 19° 186 | 10° 178 | 27964 | 18 | 20° 364 | 12° 332 |
| 27677 | 12 | 15° 677 | 3° 180 | 27749 | 29 | 13° 136 | 6° 070 | 27821 | 12 | 9° 452 | 8° 786 | 27893 | 11 | 20° 317 | 10° 540 | 27965 | 12 | 22° 244 | 12° 023 |
| 27678 | 12 | 16° 384 | 3° 697 | 27750 | 14 | 15° 056 | 6° 810 | 27822 | 19 | 10° 204 | 8° 850 | 27894 | 34 | 21° 430 | 10° 488 | 27966 | 10 | 23° 364 | 12° 996 |
| 27679 | 12 | 18° 964 | 3° 187 | 27751* | 34 | 15° 722 | 6° 349 | 27823 | 25 | 10° 311 | 8° 865 | 27895 | 14 | 22° 150 | 10° 774 | 27967 | 11 | 0° 302 | 13° 202 |
| 27680 | 10 | 19° 836 | 3° 016 | 27752 | 11 | 17° 044 | 6° 057 | 27824 | 12 | 10° 676 | 8° 556 | 27896 | 16 | 22° 858 | 10° 666 | 27968 | 30 | 0° 514 | 13° 078 |
| 27681 | 15 | 19° 922 | 3° 713 | 27753 | 30 | 17° 148 | 6° 292 | 27825 | 9 | 12° 750 | 8° 702 | 27897 | 17 | 24° 498 | 10° 047 | 27969 | 35 | 0° 795 | 13° 300 |
| 27682 | 12 | 20° 655 | 3° 898 | 27754 | 32 | 17° 346 | 6° 854 | 27826* | 33 | 12° 908 | 8° 080 | 27898 | 13 | 25° 727 | 10° 481 | 27970* | 40 | 1° 734 | 13° 385 |
| 27683 | 8 | 22° 728 | 3° 138 | 27755 | 11 | 18° 269 | 6° 448 | 27827 | 11 | 13° 154 | 8° 249 | 27899 | 12 | 0° 120 | 11° 600 | 27971 | 10 | 2° 062 | 13° 388 |
| 27684 | 10 | 25° 218 | 3° 972 | 27756 | 33 | 18° 315 | 6° 238 | 27828 | 8 | 13° 314 | 8° 872 | 27900 | 11 | 1° 042 | 11° 431 | 27972 | 40 | 2° 490 | 13° 862 |
| 27685 | 36 | 2° 175 | 4° 234 | 27757 | 23 | 21° 399 | 6° 180 | 27829 | 17 | 14° 488 | 8° 610 | 27901 | 13 | 2° 598 | 11° 344 | 27973 | 9 | 2° 630 | 13° 338 |
| 27686 | 10 | 3° 345 | 4° 134 | 27758 | 21 | 23° 204 | 6° 145 | 27830 | 31 | 15° 588 | 8° 844 | 27902 | 35 | 2° 907 | 11° 758 | 27974 | 40 | 3° 192 | 13° 686 |
| 27687 | 11 | 5° 262 | 4° 112 | 27759 | 10 | 24° 907 | 6° 454 | 27831* | 52 | 15° 864 | 8° 317 | 27903 | 33 | 3° 702 | 11° 853 | 27975 | 18 | 5° 606 | 13° 282 |
| 27688 | 22 | 6° 002 | 4° 032 | 27760 | 10 | 25° 353 | 6° 202 | 27832 | 9 | 17° 114 | 8° 068 | 27904 | 14 | 4° 118 | 11° 560 | 27976 | 12 | 5° 922 | 13° 666 |
| 27689 | 11 | 7° 878 | 4° 054 | 27761 | 10 | 1° 068 | 7° 832 | 27833 | 11 | 17° 229 | 8° 348 | 27905 | 10 | 5° 165 | 11° 258 | 27977 | 13 | 6° 276 | 13° 408 |
| 27690 | 8 | 8° 440 | 4° 349 | 27762 | 12 | 2° 210 | 7° 303 | 27834 | 8 | 18° 514 | 8° 358 | 27906 | 30 | 5° 271 | 11° 387 | 27978 | 19 | 7° 702 | 13° 030 |
| 27691 | 20 | 9° 081 | 4° 405 | 27763 | 10 | 2° 438 | 7° 228 | 27835 | 20 | 20° 523 | 8° 522 | 27907 | 9 | 5° 497 | 11° 430 | 27979* | 34 | 9° 026 | 13° 400 |
| 27692 | 13 | 9° 700 | 4° 885 | 27764 | 23 | 2° 721 | 7° 274 | 27836 | 30 | 20° 570 | 8° 406 | 27908 | 18 | 5° 578 | 11° 700 | 27980 | 12 | 9° 484 | 13° 748 |
| 27693 | 8 | 13° 352 | 4° 885 | 27765 | 9 | 2° 842 | 7° 200 | 27837 | 17 | 23° 558 | 8° 025 | 27909 | 8 | 6° 280 | 11° 142 | 27981 | 10 | 9° 611 | 13° 099 |
| 27694 | 11 | 14° 598 | 4° 156 | 27766 | 10 | 4° 391 | 7° 278 | 27838 | 19 | 23° 867 | 8° 370 | 27910 | 9 | 6° 530 | 11° 031 | 27982 | 16 | 11° 086 | 13° 251 |
| 27695 | 18 | 15° 231 | 4° 586 | 27767 | 10 | 4° 548 | 7° 472 | 27839 | 16 | 25° 728 | 8° 996 | 27911 | 20 | 6° 906 | 11° 667 | 27983 | 10 | 11° 350 | 13° 380 |
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| 27697* | 38 | 16° 490 | 4° 696 | 27769 | 10 | 5° 692 | 7° 054 | 27841 | 18 | 3° 678 | 9° 171 | 27913 | 10 | 10° 007 | 11° 008 | 27985* | 46 | 11° 532 | 13° 662 |
| 27698 | 12 | 17° 332 | 4° 930 | 27770 | 10 | 6° 118 | 7° 060 | 27842 | 16 | 3° 699 | 9° 030 | 27914 | 9 | 10° 627 | 11° 320 | 27986 | 25 | 12° 029 | 13° 453 |
| 27699 | 13 | 18° 778 | 4° 419 | 27771 | 10 | 6° 126 | 7° 054 | 27843* | 41 | 4° 070 | 9° 240 | 27915 | 11 | 11° 016 | 11° 150 | 27987 | 11 | 12° 542 | 13° 067 |
| 27700 | 22 | 19° 262 | 4° 101 | 27772 | 26 | 8° 652 | 7° 042 | 27844 | 18 | 5° 662 | 9° 606 | 27916 | 12 | 11° 746 | 11° 776 | 27988 | 8 | 14° 355 | 13° 678 |
| 27701 | 11 | 20° 062 | 4° 185 | 27773 | 8 | 8° 683 | 7° 446 | 27845 | 9 | 7° 206 | 9° 701 | 27917 | 39 | 11° 811 | 11° 117 | 27989 | 18 | 16° 686 | 13° 196 |
| 27702 | 24 | 22° 446 | 4° 306 | 27774 | 9 | 8° 962 | 7° 390 | 27846 | 10 | 7° 722 | 9° 628 | 27918 | 29 | 13° 200 | 11° 662 | 27990 | 10 | 18° 596 | 13° 712 |
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| 27704 | 13 | 1° 484 | 5° 857 | 27776* | 38 | 10° 610 | 7° 576 | 27848 | 9 | 9° 980 | 9° 800 | 27920 | 30 | 13° 936 | 11° 748 | 27992 | 10 | 21° 297 | 13° 852 |
| 27705 | 9 | 4° 984 | 5° 457 | 27777 | 17 | 11° 486 | 7° 203 | 27849 | 11 | 10° 153 | 9° 564 | 27921 | 13 | 14° 060 | 11° 270 | 27993 | 20 | 21° 592 | 13° 773 |
| 27706 | 23 | 5° 070 | 5° 800 | 27778 | 10 | 12° 036 | 7° 152 | 27850 | 16 | 10° 180 | 9° 377 | 27922 | 8 | 14° 501 | 11° 607 | 27994 | 20 | 22° 664 | 13° 656 |
| 27707 | 10 | 5° 556 | 5° 570 | 27779 | 9 | 14° 260 | 7° 183 | 27851 | 9 | 10° 222 | 9° 032 | 27923 | 15 | 14° 984 | 11° 366 | 27995 | 20 | 22° 904 | 13° 330 |
| 27708 | 20 | 6° 510 | 5° 068 | 27780 | 9 | 14° 360 | 7° 422 | 27852 | 13 | 10° 802 | 9° 858 | 27924 | 13 | 14° 998 | 11° 216 | 27996 | 29 | 23° 680 | 13° 240 |
| 27709 | 9 | 8° 554 | 5° 612 | 27781 | 10 | 14° 458 | 7° 140 | 27853 | 16 | 11° 720 | 9° 921 | 27925 | 27 | 17° 900 | 11° 026 | 27997 | 23 | 24° 018 | 13° 732 |
| 27710 | 10 | 9° 512 | 5° 752 | 27782 | 30 | 14° 962 | 7° 076 | 27854* | 30 | 12° 862 | 9° 424 | 27926 | 8 | 17° 978 | 11° 740 | 27998 | 25 | 24° 796 | 13° 818 |
| 27711 | 12 | 10° 550 | 5° 054 | 27783 | 9 | 14° 970 | 7° 424 | 27855 | 9 | 15° 164 | 9° 495 | 27927 | 11 | 17° 990 | 11° 494 | 27999 | 15 | 25° 447 | 13° 376 |
| 27712 | 11 | 11° 791 | 5° 068 | 27784 | 30 | 15° 424 | 7° 040 | 27856 | 20 | 16° 074 | 9° 604 | 27928 | 15 | 18° 514 | 11° 654 | 28000 | 33 | 25° 849 | 13° 367 |
| 27713 | 32 | 11° 900 | 5° 086 | 27785 | 17 | 16° 120 | 7° 812 | 27857 | 10 | 18° 614 | 9° 450 | 27929 | 10 | 18° 529 | 11° 271 | 28001 | 10 | 0° 756 | 14° 558 |
| 27714 | 13 | 12° 046 | 5° 570 | 27786 | 16 | 16° 827 | 7° 546 | 27858 | 34 | 18° 711 | 9° 689 | 27930 | 15 | 18° 640 | 11° 859 | 28002 | 11 | 2° 044 | 14° 114 |
| 27715 | 13 | 12° 288 | 5° 824 | 27787 | 10 | 17° 010 | 7° 942 | 27859 | 35 | 18° 808 | 9° 008 | 27931 | 10 | 19° 430 | 11° 881 | 28003* | 39 | 3° 530 | |

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| 28016 | 10 | 10-764 | 14-320 | 28088 | 13 | 23-114 | 16-562 | 28160 | 9 | 21-197 | 18-656 | 28232 | 27 | 5-685 | 21-844 | 28304 | 8 | 3-025 | 23-090 |
| 28017 | 17 | 10-973 | 14-492 | 28089 | 12 | 25-038 | 16-340 | 28161 | 32 | 22-398 | 18-140 | 28233 | 11 | 6-165 | 21-464 | 28305 | 14 | 5-216 | 23-610 |
| 28018 | 8 | 12-230 | 14-854 | 28090 | 10 | 1-158 | 17-538 | 28162 | 12 | 22-588 | 18-826 | 28234 | 8 | 7-968 | 21-852 | 28306 | 8 | 5-748 | 23-860 |
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R.A. 8^h 20^m

Plate 957; 1917 Jan. 22.

Provisional Constants.

A

B

C

-02567 +00872 +1824

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F

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Mag.=15.7-1.09√*d*

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Provisional Constants.

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R.A. 9^h 0^m

Plate 961; 1917 Jan. 22.

Provisional Constants.

A B C
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D E F
 $-0.0489 - 0.02571 - 3.124$

Mag. = 16.3 - 1.09 \sqrt{d}

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| R.A. 9 ^h 8 ^m | | | | | | | | | | | | | | | |
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| 31482 | 26 | 18-042 | 7-420 | 31554 | 14 | 21-844 | 11-628 | 31483 | 26 | 19-165 | 7-949 | 31555 | 14 | 22-640 | 11-168 |
| 31484 | 9 | 20-670 | 7-218 | 31556 | 38 | 23-127 | 11-360 | 31485 | 11 | 20-766 | 7-416 | 31557 | 10 | 24-854 | 11-935 |
| 31486 | 11 | 23-427 | 7-477 | 31558 | 13 | 25-430 | 11-166 | 31487 | 23 | 0-240 | 8-712 | 31559 | 45 | 3-286 | 12-586 |
| 31488 | 9 | 1-695 | 8-432 | 31560 | 15 | 6-058 | 12-494 | 31489 | 19 | 2-748 | 8-118 | 31561 | 11 | 7-042 | 12-600 |
| 31490 | 28 | 3-114 | 8-024 | 31562 | 19 | 9-230 | 12-700 | 31491 | 12 | 4-490 | 8-414 | 31563 | 26 | 10-881 | 12-576 |
| 31492 | 51 | 4-916 | 8-118 | 31564 | 26 | 10-879 | 12-280 | 31493 | 10 | 8-860 | 8-114 | 31565 | 17 | 20-879 | 12-280 |
| 31494 | 9 | 14-090 | 8-760 | 31566 | 04 | 23-456 | 12-784 | 31495 | 8 | 14-159 | 8-390 | 31567 | 20 | 0-767 | 13-272 |
| 31496 | 8 | 14-401 | 8-940 | 31568 | 10 | 0-850 | 13-420 | 31497 | 20 | 15-914 | 8-434 | 31569 | 25 | 1-750 | 13-124 |
| 31498 | 15 | 19-654 | 8-086 | 31570 | 9 | 4-238 | 13-356 | 31499 | 15 | 20-566 | 8-684 | 31571 | 13 | 5-282 | 13-076 |
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| 31502 | 21 | 0-366 | 9-265 | 31574 | 19 | 7-523 | 13-270 | 31503 | 12 | 1-150 | 9-638 | 31575 | 22 | 8-247 | 13-144 |
| 31504 | 12 | 3-900 | 9-599 | 31576 | 41 | 8-518 | 13-228 | 31505 | 12 | 3-900 | 9-599 | 31577 | 10 | 10-090 | 13-326 |
| 31506 | 12 | 6-716 | 9-654 | 31578 | 20 | 12-050 | 13-631 | 31507 | 15 | 8-470 | 9-110 | 31579 | 9 | 15-600 | 13-470 |
| 31508 | 15 | 8-022 | 9-758 | 31580 | 10 | 18-603 | 13-005 | 31509 | 12 | 10-590 | 9-310 | 31581 | 11 | 18-788 | 13-315 |
| 31510 | 10 | 13-330 | 9-140 | 31582 | 18 | 20-677 | 13-984 | 31511 | 14 | 14-790 | 9-828 | 31583 | 37 | 22-403 | 13-053 |
| 31512 | 8 | 16-259 | 9-398 | 31584 | 11 | 25-334 | 13-384 | 31513 | 14 | 16-259 | 9-398 | 31585 | 11 | 0-533 | 14-516 |
| 31514 | 24 | 17-975 | 9-500 | 31586 | 21 | 3-027 | 14-102 | 31515 | 8 | 17-975 | 9-500 | 31587 | 13 | 5-114 | 14-040 |
| 31516 | 23 | 22-266 | 9-960 | 31588 | 37 | 5-450 | 14-870 | 31517 | 10 | 22-330 | 9-524 | 31589 | 14 | 8-165 | 14-765 |
| 31518 | 13 | 22-400 | 9-210 | 31590 | 8 | 10-019 | 14-172 | 31519 | 13 | 0-530 | 10-622 | 31591 | 10 | 10-308 | 14-594 |
| 31520 | 13 | 3-222 | 10-316 | 31592 | 10 | 12-028 | 14-020 | 31521 | 10 | 3-508 | 10-240 | 31593 | 20 | 13-173 | 14-206 |
| 31522 | 10 | 3-869 | 10-783 | 31594 | 13 | 18-874 | 14-248 | 31523 | 8 | 5-916 | 10-554 | 31595 | 8 | 18-086 | 14-232 |
| 31524 | 13 | 7-504 | 10-283 | 31596 | 69 | 20-180 | 14-419 | 31525 | 25 | 7-631 | 10-551 | 31597 | 11 | 22-680 | 14-670 |
| 31526 | 25 | 8-091 | 10-742 | 31598 | 10 | 23-502 | 14-970 | 31527 | 9 | 8-282 | 10-960 | 31599 | 12 | 25-947 | 14-924 |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
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| 31601 | 8 | 5-175 | 15-866 | 31673 | 10 | 7-590 | 19-504 | 31745 | 13 | 21-678 | 24-424 | 31837 | 17 | 18-400 | 3-935 | 31909 | 12 | 7-512 | 10-817 |
| 31602 | 10 | 7-801 | 15-484 | 31674 | 8 | 8-388 | 19-104 | 31746 | 10 | 22-716 | 24-720 | 31838 | 19 | 20-227 | 3-908 | 31910 | 13 | 8-199 | 10-280 |
| 31603 | 10 | 8-758 | 15-788 | 31675 | 9 | 10-088 | 19-390 | 31747 | 10 | 24-800 | 24-590 | 31839 | 37 | 21-745 | 3-515 | 31911 | 17 | 11-434 | 10-212 |
| 31604 | 10 | 11-224 | 15-670 | 31676 | 25 | 10-265 | 19-981 | 31748 | 20 | 25-570 | 24-114 | 31840 | 15 | 25-926 | 3-090 | 31912 | 13 | 13-574 | 10-000 |
| 31605 | 8 | 12-486 | 15-186 | 31677 | 8 | 13-757 | 19-152 | 31749 | 18 | 0-298 | 25-023 | 31841 | 19 | 1-725 | 4-155 | 31913 | 17 | 16-662 | 10-496 |
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| 31607 | 9 | 15-510 | 15-615 | 31679 | 16 | 15-953 | 19-530 | 31751 | 10 | 0-939 | 25-702 | 31843 | 14 | 18-586 | 4-236 | 31915 | 12 | 23-492 | 10-858 |
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| 31616 | 45 | 5-406 | 16-298 | 31688 | 11 | 10-263 | 20-744 | | | | | 31852 | 17 | 14-694 | 5-248 | 31924 | 16 | 9-090 | 11-401 |
| 31617 | 10 | 8-560 | 16-236 | 31689 | 9 | 10-495 | 20-115 | | | | | 31853 | 15 | 22-858 | 5-824 | 31925 | 13 | 10-127 | 11-104 |
| 31618 | 16 | 9-536 | 16-730 | 31690 | 10 | 11-246 | 20-244 | | | | | 31854 | 11 | 24-228 | 5-363 | 31926 | 14 | 10-419 | 11-458 |
| 31619 | 74 | 11-242 | 16-208 | 31691 | 21 | 13-314 | 20-130 | | | | | 31855 | 14 | 24-512 | 5-737 | 31927 | 14 | 18-392 | 11-118 |
| 31620 | 13 | 11-715 | 16-381 | 31692 | 14 | 14-020 | 20-393 | | | | | 31856 | 17 | 1-126 | 6-971 | 31928 | 14 | 19-115 | 11-654 |
| 31621 | 10 | 14-760 | 16-396 | 31693 | 23 | 15-763 | 20-612 | | | | | 31857 | 12 | 2-767 | 6-308 | 31929 | 19 | 19-135 | 11-766 |
| 31622 | 10 | 15-584 | 16-794 | 31694 | 10 | 15-861 | 20-710 | | | | | 31858 | 17 | 4-218 | 6-824 | 31930 | 28 | 21-776 | 11-266 |
| 31623 | 38 | 15-869 | 16-256 | 31695 | 8 | 17-036 | 20-012 | | | | | 31859 | 13 | 7-248 | 6-140 | 31931 | 78 | 1-248 | 12-992 |
| 31624 | 10 | 15-937 | 16-458 | 31696 | 11 | 17-650 | 20-002 | | | | | 31860 | 24 | 9-572 | 6-065 | 31932 | 14 | 2-650 | 12-129 |
| 31625 | 25 | 17-026 | 16-900 | 31697 | 10 | 18-130 | 20-505 | | | | | 31861 | 31 | 10-757 | 6-694 | 31933 | 18 | 4-030 | 12-174 |
| 31626 | 12 | 19-125 | 16-424 | 31698 | 78 | 19-666 | 20-555 | | | | | 31862 | 18 | 10-783 | 6-883 | 31934 | 15 | 8-242 | 12-154 |
| 31627 | 28 | 19-729 | 16-938 | 31699 | 46 | 21-254 | 20-606 | | | | | 31863 | 36 | 11-840 | 6-874 | 31935 | 14 | 7-347 | 12-214 |
| 31628 | 28 | 20-310 | 16-717 | 31700 | 10 | 24-016 | 20-022 | | | | | 31864 | 19 | 13-900 | 6-918 | 31936 | 16 | 11-810 | 12-424 |
| 31629 | 9 | 20-320 | 16-685 | 31701 | 21 | 24-754 | 20-006 | | | | | 31865 | 15 | 14-414 | 6-594 | 31937 | 10 | 12-649 | 12-922 |
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| 31633 | 9 | 24-078 | 16-095 | 31705 | 10 | 15-470 | 21-134 | | | | | 31869 | 11 | 18-435 | 6-680 | 31941 | 15 | 19-247 | 12-598 |
| 31634 | 13 | 1-974 | 17-214 | 31706 | 16 | 15-990 | 21-043 | | | | | 31870 | 16 | 25-456 | 7-304 | 31942 | 38 | 20-180 | 12-438 |
| 31635 | 24 | 3-338 | 17-684 | 31707 | 60 | 16-278 | 21-860 | | | | | 31871 | 17 | 1-185 | 6-614 | 31943 | 13 | 23-200 | 12-113 |
| 31636 | 28 | 4-044 | 17-575 | 31708 | 8 | 16-454 | 21-807 | | | | | 31872 | 19 | 4-186 | 7-240 | 31944 | 16 | 23-952 | 12-773 |
| 31637 | 16 | 4-218 | 17-286 | 31709 | 26 | 17-412 | 21-646 | | | | | 31873 | 24 | 7-509 | 7-316 | 31945 | 36 | 0-266 | 13-866 |
| 31638 | 13 | 4-821 | 17-072 | 31710 | 31 | 1-136 | 22-519 | | | | | 31874 | 14 | 12-186 | 7-278 | 31946 | 16 | 3-140 | 13-574 |
| 31639 | 11 | 7-512 | 17-814 | 31711 | 10 | 1-224 | 22-856 | | | | | 31875 | 19 | 16-460 | 7-014 | 31947 | 13 | 3-312 | 13-450 |
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| 31641 | 10 | 8-070 | 17-518 | 31713 | 14 | 5-140 | 22-372 | | | | | 31877 | 16 | 17-356 | 7-341 | 31949 | 34 | 6-411 | 13-068 |
| 31642 | 10 | 10-880 | 17-053 | 31714 | 10 | 8-335 | 22-010 | | | | | 31878 | 14 | 20-315 | 7-687 | 31950 | 18 | 8-384 | 13-812 |
| 31643 | 13 | 11-778 | 17-485 | 31715 | 18 | 8-802 | 22-198 | | | | | 31879 | 18 | 22-739 | 7-332 | 31951 | 16 | 9-466 | 13-704 |
| 31644 | 18 | 13-168 | 17-376 | 31716 | 19 | 9-698 | 22-780 | | | | | 31880 | 11 | 25-476 | 7-207 | 31952 | 13 | 10-242 | 13-710 |
| 31645 | 15 | 13-322 | 17-800 | 31717 | 15 | 11-532 | 22-886 | | | | | 31881 | 34 | 2-632 | 8-954 | 31953 | 37 | 12-080 | 13-428 |
| 31646 | 14 | 15-680 | 17-204 | 31718 | 13 | 13-530 | 22-444 | | | | | 31882 | 18 | 5-672 | 8-250 | 31954 | 20 | 16-800 | 13-792 |
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| 31652 | 15 | 0-760 | 18-244 | 31724 | 23 | 21-030 | 22-333 | | | | | 31888 | 17 | 22-722 | 8-246 | 31960 | 56 | 4-568 | 14-087 |
| 31653 | 8 | 0-942 | 18-720 | 31725 | 14 | 24-784 | 22-988 | | | | | 31889 | 15 | 22-896 | 8-182 | 31961 | 12 | 4-685 | 14-449 |
| 31654 | 10 | 4-794 | 18-196 | 31726 | 9 | 2-036 | 23-430 | | | | | 31890 | 14 | 24-586 | 8-572 | 31962 | 10 | 5-842 | 14-342 |
| 31655 | 15 | 5-948 | 18-360 | 31727 | 10 | 2-576 | 23-822 | | | | | 31891 | 13 | 0-105 | 9-739 | 31963 | 14 | 9-552 | 14-531 |
| 31656 | 11 | 6-370 | 18-533 | 31728 | 12 | 4-450 | 23-016 | | | | | 31892 | 16 | 0-170 | 9-422 | 31964 | 18 | 11-866 | 14-222 |
| 31657 | 29 | 6-539 | 18-300 | 31729 | 10 | 6-836 | 23-062 | | | | | 31893 | 18 | 9-120 | 9-739 | 31965 | 9 | 12-128 | 14-518 |
| 31658 | 13 | 10-600 | 18-420 | 31730 | 18 | 8-256 | 23-560 | | | | | 31894 | 13 | 9-290 | 9-694 | 31966 | 16 | 12-134 | 14-114 |
| 31659 | 10 | 10-770 | 18-028 | 31731 | 12 | 9-000 | 23-821 | | | | | 31895 | 9 | 11-406 | 9-597 | 31967 | 16 | 12-631 | 14-893 |
| 31660 | 28 | 11-040 | 18-769 | 31732 | 17 | 10-458 | 23-466 | | | | | 31896 | 13 | 16-480 | 9-646 | 31968 | 31 | 13-152 | 14-386 |
| 31661 | 10 | 13-694 | 18-638 | 31733 | 21 | 11-417 | 23-397 | | | | | 31897 | 14 | 19-088 | 9-224 | 31969 | 14 | 15-574 | 14-948 |
| 31662 | 20 | 15-915 | 18-285 | 31734 | 12 | 12-704 | 23-196 | | | | | 31898 | 13 | 20-276 | 9-425 | 31970 | 16 | 17-298 | 14-745 |
| 31663 | 45 | 16-335 | 18-942 | 31735 | 22 | 15-250 | 23-740 | | | | | 31899 | 15 | 21-040 | 9-685 | 31971 | 17 | 19-892 | 14-212 |
| 31664 | 12 | 20-170 | 18-152 | 31736 | 18 | 16-116 | 23-453 | | | | | 31900 | 17 | 24-696 | 9-382 | 31972 | 46 | 23-920 | 14-312 |
| 31665 | 35 | 20-796 | 18-226 | 31737 | 19 | 16-930 | 23-181 | | | | | 31901 | 30 | 24-704 | 9-614 | 31973 | 23 | 24-422 | 14-177 |
| 31666 | 10 | 20-837 | 18-630 | 31738 | 9 | 18-716 | 23-879 | | | | | 31902 | 22 | 0-044 | 10-176 | 31974 | 12 | 24-591 | 14-856 |
| 31667 | 10 | 23-958 | 18-585 | 31739 | 10 | 19-303 | 23-677 | | | | | 31903 | 18 | 1-256 | 10-727 | 31975 | 14 | 0-631 | 15-652 |
| 31668 | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|-------|-------|----|--------|--------|
| 31980 | 14 | 5°52' | 15°12' | 32052 | 11 | 5°05' | 20°07' | 32124 | 14 | 25°38' | 24°07' | 32191 | 10 | 17°03' | 2°01' | 32263 | 8 | 5°47' | 7°78' |
| 31981 | 17 | 10°73' | 15°24' | 32053 | 15 | 5°07' | 20°11' | 32125 | 15 | 4°42' | 25°71' | 32192 | 15 | 17°32' | 2°09' | 32264 | 25 | 9°45' | 7°50' |
| 31982 | 15 | 13°99' | 15°16' | 32054 | 12 | 8°80' | 20°70' | 32126 | 32 | 8°37' | 25°52' | 32193 | 19 | 21°53' | 2°87' | 32265 | 26 | 9°56' | 7°33' |
| 31983 | 20 | 14°15' | 15°45' | 32055 | 18 | 10°91' | 20°97' | 32127 | 20 | 11°43' | 25°79' | 32194 | 12 | 25°84' | 2°26' | 32266 | 12 | 9°03' | 7°14' |
| 31984 | 12 | 15°60' | 15°34' | 32056 | 13 | 14°129 | 20°85' | 32128 | 19 | 13°67' | 25°57' | 32195 | 13 | 3°04' | 3°02' | 32267 | 31 | 11°91' | 7°16' |
| 31985 | 26 | 15°90' | 15°04' | 32057 | 21 | 14°71' | 20°24' | 32129 | 13 | 14°28' | 25°53' | 32196 | 28 | 5°29' | 3°08' | 32268 | 10 | 14°66' | 7°10' |
| 31986 | 15 | 15°10' | 15°38' | 32058 | 11 | 15°06' | 20°44' | 32130 | 16 | 17°15' | 25°74' | 32197 | 23 | 9°18' | 3°77' | 32269 | 12 | 20°71' | 7°12' |
| 31987 | 16 | 17°61' | 15°72' | 32059 | 18 | 15°24' | 20°75' | 32131 | 18 | 18°75' | 25°63' | 32198 | 23 | 12°08' | 3°02' | 32270 | 8 | 21°32' | 7°80' |
| 31988 | 14 | 18°04' | 15°88' | 32060 | 12 | 15°45' | 20°14' | 32132 | 14 | 20°90' | 25°88' | 32199 | 12 | 13°01' | 3°36' | 32271 | 8 | 21°36' | 7°66' |
| 31989 | 12 | 22°61' | 15°32' | 32061 | 12 | 16°18' | 20°61' | 32133 | 13 | 25°46' | 25°45' | 32200 | 24 | 13°81' | 3°84' | 32272 | 20 | 21°58' | 7°86' |
| 31990 | 17 | 24°26' | 15°65' | 32062 | 16 | 16°70' | 20°90' | | | | | 32201 | 28 | 14°35' | 3°13' | 32273 | 13 | 22°25' | 7°45' |
| 31991 | 13 | 0°108 | 16°71' | 32063 | 28 | 17°17' | 20°04' | | | | | 32202 | 10 | 14°43' | 3°77' | 32274 | 16 | 22°57' | 7°16' |
| 31992 | 15 | 1°65' | 16°74' | 32064 | 13 | 19°14' | 20°07' | | | | | 32203 | 16 | 15°40' | 3°51' | 32275 | 9 | 24°07' | 7°01' |
| 31993 | 13 | 5°88' | 16°25' | 32065 | 11 | 21°54' | 20°04' | | | | | 32204 | 13 | 16°42' | 3°83' | 32276 | 34 | 0°03' | 8°28' |
| 31994 | 11 | 8°06' | 16°74' | 32066 | 34 | 23°18' | 20°67' | | | | | 32205 | 38 | 16°63' | 3°18' | 32277 | 9 | 0°29' | 8°17' |
| 31995 | 11 | 8°08' | 16°23' | 32067 | 13 | 23°55' | 20°06' | | | | | 32206 | 8 | 17°66' | 3°18' | 32278 | 21 | 0°07' | 8°29' |
| 31996 | 11 | 8°13' | 16°66' | 32068 | 28 | 2°62' | 21°10' | | | | | 32207 | 11 | 18°02' | 3°29' | 32279 | 10 | 0°84' | 8°23' |
| 31997 | 22 | 9°45' | 16°87' | 32069 | 12 | 5°32' | 21°28' | | | | | 32208 | 17 | 19°52' | 3°01' | 32280 | 8 | 2°54' | 8°59' |
| 31998 | 14 | 9°52' | 16°10' | 32070 | 12 | 7°78' | 21°61' | | | | | 32209 | 9 | 20°18' | 3°04' | 32281 | 8 | 8°02' | 8°16' |
| 31999 | 14 | 13°22' | 16°65' | 32071 | 14 | 10°80' | 21°06' | | | | | 32210 | 12 | 3°81' | 4°22' | 32282 | 9 | 8°58' | 8°34' |
| 32000 | 19 | 13°26' | 16°92' | 32072 | 36 | 14°04' | 21°24' | | | | | 32211 | 8 | 10°47' | 4°70' | 32283 | 38 | 9°47' | 8°97' |
| 32001 | 14 | 14°04' | 16°26' | 32073 | 11 | 14°44' | 21°75' | | | | | 32212 | 11 | 11°00' | 4°75' | 32284 | 24 | 11°45' | 8°63' |
| 32002 | 15 | 16°10' | 16°38' | 32074 | 13 | 14°81' | 21°05' | | | | | 32213 | 26 | 12°83' | 4°74' | 32285 | 12 | 14°49' | 8°17' |
| 32003 | 12 | 16°55' | 16°72' | 32075 | 13 | 15°44' | 21°06' | | | | | 32214 | 9 | 14°56' | 4°91' | 32286 | 12 | 16°38' | 8°37' |
| 32004 | 12 | 18°03' | 16°38' | 32076 | 31 | 16°755 | 21°86' | | | | | 32215 | 16 | 15°82' | 4°75' | 32287 | 32 | 17°34' | 8°50' |
| 32005 | 34 | 19°37' | 16°56' | 32077 | 20 | 18°608 | 21°66' | | | | | 32216 | 10 | 16°20' | 4°28' | 32288 | 11 | 18°37' | 8°12' |
| 32006 | 19 | 22°47' | 16°138 | 32078 | 16 | 21°245 | 21°838 | | | | | 32217 | 38 | 16°920 | 4°750 | 32289 | 33 | 18°790 | 8°263 |
| 32007 | 14 | 0°939 | 17°138 | 32079 | 20 | 23°810 | 21°865 | | | | | 32218 | 19 | 17°164 | 4°524 | 32290 | 26 | 19°128 | 8°242 |
| 32008 | 14 | 1°916 | 17°196 | 32080 | 11 | 23°962 | 21°521 | | | | | 32219 | 12 | 17°439 | 4°744 | 32291 | 13 | 19°153 | 8°218 |
| 32009 | 12 | 2°994 | 17°880 | 32081 | 13 | 25°868 | 21°902 | | | | | 32220 | 29 | 19°750 | 4°584 | 32292 | 10 | 19°590 | 8°398 |
| 32010 | 15 | 7°550 | 17°364 | 32082 | 13 | 0°208 | 22°325 | | | | | 32221 | 10 | 21°036 | 4°662 | 32293 | 26 | 22°200 | 8°814 |
| 32011 | 16 | 8°238 | 17°042 | 32083 | 18 | 4°908 | 22°226 | | | | | 32222 | 14 | 21°642 | 4°398 | 32294 | 8 | 25°185 | 8°404 |
| 32012 | 10 | 10°932 | 17°416 | 32084 | 14 | 7°591 | 22°310 | | | | | 32223 | 11 | 22°153 | 4°325 | 32295 | 22 | 25°342 | 8°265 |
| 32013 | 26 | 11°218 | 17°087 | 32085 | 13 | 7°935 | 22°550 | | | | | 32224 | 31 | 25°314 | 4°146 | 32296 | 19 | 26°665 | 9°406 |
| 32014 | 12 | 11°949 | 17°701 | 32086 | 11 | 7°987 | 22°024 | | | | | 32225 | 13 | 25°048 | 4°078 | 32297 | 32 | 26°755 | 9°037 |
| 32015 | 15 | 13°778 | 17°308 | 32087 | 22 | 9°066 | 22°400 | | | | | 32226 | 14 | 0°772 | 5°876 | 32298 | 60 | 7°860 | 9°177 |
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R.A. 9^h 32^m

Plate 967; 1917 Feb. 13.

Provisional Constants.

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| 32740 | 49 | 21-615 | 13-552 | 32812 | 40 | 16-593 | 22-634 | 32876 | 25 | 3-092 | 3-147 | 32948 | 29 | 19-466 | 10-464 | 33020 | 27 | 14-467 | 17-444 |
| 32741 | 26 | 22-692 | 13-174 | 32813 | 13 | 22-974 | 22-396 | 32877 | 22 | 5-091 | 3-074 | 32949 | 26 | 23-230 | 10-628 | 33021 | 23 | 17-076 | 17-989 |
| 32742 | 15 | 1-620 | 14-768 | 32814 | 36 | 25-625 | 22-276 | 32878 | 15 | 5-942 | 3-486 | 32950 | 78 | 24-104 | 10-658 | 33022 | 24 | 19-377 | 17-046 |
| 32743 | 30 | 3-572 | 14-114 | 32815 | 8 | 3-636 | 23-568 | 32879 | 36 | 7-438 | 3-123 | 32951 | 22 | 24-673 | 10-036 | 33023 | 27 | 24-823 | 17-004 |
| 32744 | 11 | 8-453 | 14-975 | 32816 | 34 | 4-148 | 23-704 | 32880 | 13 | 15-682 | 3-199 | 32952 | 16 | 6-140 | 11-510 | 33024 | 21 | 25-379 | 17-253 |
| 32745 | 25 | 9-302 | 14-626 | 32817 | 10 | 7-106 | 23-630 | 32881 | 56 | 15-800 | 3-553 | 32953 | 26 | 7-313 | 11-994 | 33025 | 24 | 25-510 | 17-900 |
| 32746 | 88 | 9-938 | 14-000 | 32818 | 22 | 8-884 | 23-068 | 32882 | 36 | 18-560 | 3-201 | 32954 | 16 | 8-445 | 11-207 | 33026 | 36 | 3-224 | 18-998 |
| 32747 | 39 | 10-110 | 14-000 | 32819 | 41 | 11-994 | 23-450 | 32883 | 30 | 20-220 | 3-579 | 32955 | 20 | 9-508 | 11-808 | 33027 | 26 | 6-302 | 18-921 |
| 32748 | 49 | 17-420 | 14-450 | 32820 | 22 | 13-958 | 23-396 | 32884 | 44 | 5-048 | 4-092 | 32956 | 21 | 10-165 | 11-846 | 33028 | 14 | 8-414 | 18-350 |
| 32749 | 13 | 19-842 | 14-260 | 32821 | 24 | 14-084 | 23-272 | 32885 | 14 | 6-384 | 4-060 | 32957 | 26 | 13-576 | 11-599 | 33029 | 23 | 9-008 | 18-512 |
| 32750 | 24 | 7-689 | 15-218 | 32822 | 35 | 22-318 | 23-812 | 32886 | 19 | 6-469 | 4-914 | 32958 | 18 | 14-084 | 11-910 | 33030 | 36 | 12-552 | 18-113 |
| 32751 | 17 | 10-087 | 15-905 | 32823 | 29 | 4-695 | 24-938 | 32887 | 21 | 6-079 | 4-762 | 32959 | 34 | 22-915 | 11-352 | 33031 | 12 | 14-354 | 18-057 |
| 32752 | 10 | 10-530 | 15-548 | 32824 | 9 | 5-586 | 24-808 | 32888 | 34 | 7-042 | 4-774 | 32960 | 34 | 1-524 | 12-037 | 33032 | 20 | 17-558 | 18-326 |
| 32753 | 15 | 16-630 | 15-672 | 32825 | 19 | 11-790 | 24-134 | 32889 | 16 | 13-180 | 4-731 | 32961 | 19 | 1-748 | 12-086 | 33033 | 21 | 20-038 | 18-326 |
| 32754 | 8 | 20-103 | 15-799 | 32826 | 9 | 13-242 | 24-887 | 32890 | 22 | 14-778 | 4-932 | 32962 | 28 | 6-958 | 12-554 | 33034 | 50 | 23-344 | 18-244 |
| 32755 | 14 | 23-808 | 15-674 | 32827 | 14 | 18-772 | 24-820 | 32891 | 20 | 10-414 | 4-808 | 32963 | 21 | 11-072 | 12-120 | 33035 | 16 | 4-718 | 19-041 |
| 32756 | 18 | 3-958 | 16-240 | 32828 | 41 | 11-229 | 25-340 | 32892 | 27 | 17-932 | 4-400 | 32964 | 56 | 13-166 | 12-377 | 33036 | 24 | 10-760 | 19-831 |
| 32757 | 8 | 4-570 | 16-572 | 32829 | 9 | 14-069 | 25-276 | 32893 | 19 | 3-092 | 5-084 | 32965 | 17 | 13-360 | 12-450 | 33037 | 11 | 11-358 | 19-954 |
| 32758 | 16 | 5-558 | 16-433 | 32830 | 45 | 14-263 | 25-720 | 32894 | 25 | 4-056 | 5-194 | 32966 | 34 | 20-384 | 12-594 | 33038 | 22 | 13-394 | 19-686 |
| 32759 | 40 | 5-775 | 16-800 | 32831 | 47 | 17-676 | 25-103 | 32895 | 20 | 16-541 | 5-794 | 32967 | 37 | 21-602 | 12-226 | 33039 | 20 | 16-507 | 19-276 |
| 32760 | 18 | 6-086 | 16-854 | 32832 | 21 | 20-908 | 25-572 | 32896 | 20 | 19-588 | 5-412 | 32968 | 30 | 0-448 | 13-374 | 33040 | 22 | 17-810 | 19-794 |
| 32761 | 15 | 12-010 | 16-784 | 32833 | 44 | 22-464 | 25-888 | 32897 | 39 | 23-202 | 5-804 | 32969 | 19 | 3-734 | 13-172 | 33041 | 28 | 20-194 | 19-902 |
| 32762 | 16 | 13-481 | 16-666 | 32834 | 37 | 22-935 | 25-196 | 32898 | 32 | 2-772 | 6-228 | 32970 | 18 | 5-320 | 13-536 | 33042 | 20 | 22-249 | 19-483 |
| 32763 | 26 | 13-682 | 16-443 | | | | | 32899 | 26 | 5-303 | 6-087 | 32971 | 19 | 6-543 | 13-778 | 33043 | 18 | 3-102 | 20-716 |
| 32764 | 8 | 15-490 | 16-684 | | | | | 32900 | 19 | 5-904 | 6-375 | 32972 | 28 | 7-050 | 13-331 | 33044 | 42 | 5-152 | 20-872 |
| 32765 | 34 | 18-184 | 16-188 | | | | | 32901 | 30 | 6-522 | 6-724 | 32973 | 26 | 8-398 | 13-258 | 33045 | 32 | 5-244 | 20-099 |
| 32766 | 43 | 22-400 | 16-618 | | | | | 32902 | 12 | 11-534 | 6-257 | 32974 | 20 | 8-433 | 13-991 | 33046 | 20 | 7-366 | 20-518 |
| 32767 | 44 | 5-364 | 17-727 | | | | | 32903 | 25 | 13-478 | 6-184 | 32975 | 56 | 11-158 | 13-311 | 33047 | 15 | 12-466 | 20-286 |
| 32768 | 13 | 8-936 | 17-710 | | | | | 32904 | 24 | 15-194 | 6-700 | 32976 | 21 | 14-070 | 13-206 | 33048 | 36 | 17-401 | 20-098 |
| 32769 | 8 | 9-184 | 17-685 | | | | | 32905 | 34 | 16-959 | 6-524 | 32977 | 22 | 15-040 | 13-538 | 33049 | 17 | 17-486 | 20-688 |
| 32770 | 11 | 12-436 | 17-298 | | | | | 32906 | 28 | 20-132 | 6-738 | 32978 | 56 | 15-526 | 13-864 | 33050 | 24 | 19-900 | 20-376 |
| 32771 | 9 | 14-154 | 17-448 | | | | | 32907 | 56 | 22-526 | 6-046 | 32979 | 14 | 17-766 | 13-880 | 33051 | 21 | 20-076 | 20-454 |
| 32772 | 29 | 17-334 | 17-314 | | | | | 32908 | 16 | 24-091 | 6-906 | 32980 | 28 | 21-556 | 13-010 | 33052 | 38 | 22-170 | 20-054 |
| 32773 | 37 | 17-458 | 17-966 | | | | | 32909 | 22 | 24-834 | 6-572 | 32981 | 14 | 2-704 | 14-864 | 33053 | 36 | 23-216 | 20-708 |
| 32774 | 34 | 0-216 | 18-608 | | | | | 32910 | 40 | 25-015 | 6-076 | 32982 | 21 | 5-526 | 14-193 | 33054 | 17 | 0-760 | 21-976 |
| 32775 | 24 | 9-054 | 18-402 | | | | | 32911 | 18 | 1-658 | 7-812 | 32983 | 27 | 9-836 | 14-983 | 33055 | 36 | 1-178 | 21-547 |
| 32776 | 16 | 10-876 | 18-048 | | | | | 32912 | 19 | 5-034 | 7-513 | 32984 | 22 | 9-844 | 14-664 | 33056 | 22 | 2-319 | 21-905 |
| 32777 | 8 | 13-762 | 18-043 | | | | | 32913 | 34 | 5-298 | 7-620 | 32985 | 34 | 14-317 | 14-882 | 33057 | 25 | 10-462 | 21-125 |
| 32778 | 12 | 14-212 | 18-658 | | | | | 32914 | 12 | 6-580 | 7-557 | 32986 | 17 | 19-022 | 14-052 | 33058 | 17 | 11-038 | 21-894 |
| 32779 | 33 | 25-405 | 18-828 | | | | | 32915 | 12 | 8-458 | 7-030 | 32987 | 27 | 19-511 | 14-144 | 33059 | 20 | 14-549 | 21-029 |
| 32780 | 11 | 3-110 | 19-971 | | | | | 32916 | 22 | 8-876 | 7-566 | 32988 | 22 | 20-886 | 14-180 | 33060 | 12 | 17-188 | 21-805 |
| 32781 | 8 | 3-718 | 19-610 | | | | | 32917 | 27 | 12-608 | 7-448 | 32989 | 26 | 21-850 | 14-516 | 33061 | 17 | 17-988 | 21-304 |
| 32782 | 18 | 5-166 | 19-381 | | | | | 32918 | 20 | 13-394 | 7-026 | 32990 | 11 | 23-600 | 14-600 | 33062 | 25 | 20-358 | 21-184 |
| 32783 | 23 | 5-776 | 19-572 | | | | | 32919 | 17 | 14-598 | 7-930 | 32991 | 72 | 25-022 | 14-558 | 33063 | 20 | 20-499 | 21-758 |
| 32784 | 9 | 9-627 | 19-539 | | | | | 32920 | 31 | 18-316 | 7-205 | 32992 | 32 | 1-596 | 15-953 | 33064 | 24 | 21-850 | 21-950 |
| 32785 | 32 | 12-044 | 19-951 | | | | | 32921 | 20 | 20-458 | 7-708 | 32993 | 29 | 8-772 | 15-038 | 33065 | 25 | 24-636 | 21-302 |
| 32786 | 32 | 19-056 | 19-310 | | | | | 32922 | 18 | 23-238 | 7-107 | 32994 | 18 | 9-040 | 15-573 | 33066 | 17 | 8-833 | 22-592 |
| 32787 | 36 | 21-158 | 19-388 | | | | | 32923 | 34 | 23-340 | 7-010 | 32995 | 28 | 14-250 | 15-660 | 33067 | 36 | 3-224 | 22-448 |
| 32788 | 44 | 0-135 | 20-538 | | | | | 32924 | 29 | 1-490 | 8-021 | 32996 | 10 | 14-509 | 15-220 | 33068 | 40 | 4-874 | 22-978 |
| 32789 | 41 | 0-720 | 20-444 | | | | | 32925 | 12 | 1-743 | 8-147 | 32997 | 42 | 15-636 | 15-294 | 33069 | 20 | 9-756 | 22-186 |
| 32790 | 18 | 2-430 | 20-076 | | | | | 32926 | 24 | 9-980 | 8-128 | 32998 | 78 | 16-788 | 15-508 | 33070 | 29 | 11-180 | 22-408 |
| 32791 | 27 | 2-566 | 20-608 | | | | | 32927 | 32 | 11-739 | 8-816 | 32999 | 15 | 18-776 | 15-954 | 33071 | 37 | 12-560 | 22-660 |
| 32792 | 10 | 11-790 | 20-684 | | | | | 32928 | 18 | 14-216 | 8-551 | 33000 | 28 | 19-448 | 15-725 | 33072 | 24 | 13-536 | 22-033 |
| 32793 | 15 | 19-034 | 20-360 | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--------|----|--------|--------|--------|----|--------|-------|--------|----|--------|--------|--------|----|--------|--------|-------|----|--------|--------|
| 33080 | 24 | 6.308 | 23.721 | 33173 | 66 | 8.322 | 2.963 | 33245 | 10 | 24.924 | 9.560 | 33317* | 39 | 16.192 | 16.572 | 33389 | 15 | 25.370 | 22.708 |
| 33081 | 30 | 7.608 | 23.005 | 33174 | 40 | 9.118 | 2.766 | 33246 | 20 | 1.017 | 10.663 | 33318 | 21 | 18.244 | 16.298 | 33390 | 10 | 1.207 | 23.776 |
| 33082* | 76 | 9.706 | 23.106 | 33175 | 15 | 19.712 | 2.661 | 33247* | 66 | 1.889 | 10.688 | 33319 | 32 | 18.704 | 16.872 | 33391 | 8 | 10.222 | 23.899 |
| 33083* | 23 | 14.478 | 23.974 | 33176 | 12 | 21.017 | 2.001 | 33248 | 12 | 2.456 | 10.058 | 33320 | 29 | 19.108 | 16.351 | 33392 | 32 | 17.413 | 23.815 |
| 33084* | 36 | 16.448 | 23.900 | 33177 | 9 | 21.230 | 2.323 | 33249 | 17 | 6.676 | 10.779 | 33321 | 33 | 21.382 | 16.550 | 33393 | 11 | 19.583 | 23.574 |
| 33085* | 46 | 19.208 | 23.138 | 33178* | 36 | 24.400 | 2.877 | 33250 | 31 | 8.996 | 10.008 | 33322 | 19 | 2.670 | 17.023 | 33394 | 31 | 24.506 | 23.148 |
| 33086 | 28 | 0.190 | 24.010 | 33179 | 18 | 8.474 | 3.035 | 33251 | 10 | 17.776 | 10.948 | 33323 | 13 | 3.232 | 17.264 | 33395 | 16 | 4.834 | 24.227 |
| 33087 | 20 | 5.205 | 24.338 | 33180 | 14 | 11.041 | 3.768 | 33252 | 10 | 21.014 | 10.483 | 33324 | 20 | 3.368 | 17.919 | 33396 | 27 | 5.060 | 24.587 |
| 33088* | 44 | 6.634 | 24.462 | 33181 | 26 | 15.591 | 3.555 | 33253 | 24 | 23.706 | 10.185 | 33325 | 10 | 6.873 | 17.909 | 33397 | 17 | 6.640 | 24.559 |
| 33089 | 34 | 15.666 | 24.291 | 33182 | 28 | 18.404 | 3.088 | 33254 | 26 | 0.710 | 11.392 | 33326 | 26 | 7.792 | 17.880 | 33398 | 13 | 13.394 | 24.951 |
| 33090* | 44 | 16.919 | 24.027 | 33183 | 12 | 22.366 | 3.634 | 33255 | 8 | 4.542 | 11.154 | 33327* | 39 | 7.844 | 17.978 | 33399 | 28 | 19.773 | 24.848 |
| 33091 | 21 | 17.366 | 24.850 | 33184 | 9 | 3.901 | 4.074 | 33256 | 11 | 8.385 | 11.070 | 33328 | 15 | 8.850 | 17.142 | 33400 | 16 | 21.949 | 24.508 |
| 33092 | 39 | 0.824 | 25.306 | 33185 | 8 | 4.712 | 4.706 | 33257 | 10 | 11.058 | 11.286 | 33329 | 9 | 12.510 | 17.383 | 33401 | 17 | 1.506 | 25.690 |
| 33093 | 16 | 1.918 | 25.844 | 33186 | 19 | 5.788 | 4.889 | 33258 | 12 | 11.634 | 11.168 | 33330 | 26 | 13.208 | 17.989 | 33402 | 14 | 2.870 | 25.153 |
| 33094 | 28 | 4.944 | 25.105 | 33187 | 9 | 8.990 | 4.330 | 33259 | 14 | 10.524 | 11.900 | 33331 | 12 | 14.712 | 17.658 | 33403 | 18 | 6.386 | 25.285 |
| 33095 | 33 | 8.729 | 25.109 | 33188 | 8 | 17.508 | 4.092 | 33260 | 9 | 5.572 | 12.129 | 33332 | 34 | 17.448 | 17.292 | 33404 | 13 | 8.352 | 25.048 |
| 33096 | 20 | 9.521 | 25.814 | 33189 | 38 | 20.324 | 4.890 | 33261* | 42 | 9.888 | 12.290 | 33333 | 24 | 17.556 | 17.316 | 33405 | 10 | 8.455 | 25.260 |
| 33097 | 17 | 9.658 | 25.375 | 33190 | 40 | 0.947 | 5.839 | 33262 | 35 | 10.577 | 12.942 | 33334 | 8 | 18.566 | 17.028 | 33406 | 25 | 9.392 | 25.139 |
| 33098 | 27 | 10.491 | 25.166 | 33191 | 27 | 5.358 | 5.228 | 33263* | 57 | 15.078 | 12.558 | 33335 | 34 | 20.971 | 17.780 | 33407 | 11 | 13.417 | 25.765 |
| 33099 | 17 | 11.300 | 25.140 | 33192 | 14 | 7.080 | 5.630 | 33264 | 36 | 15.106 | 12.556 | 33336 | 12 | 21.388 | 17.196 | 33408 | 10 | 13.950 | 25.843 |
| 33100 | 19 | 13.828 | 25.266 | 33193 | 13 | 11.798 | 5.512 | 33265 | 15 | 15.240 | 12.947 | 33337* | 48 | 21.838 | 17.999 | 33409 | 11 | 20.510 | 25.918 |
| 33101 | 16 | 13.956 | 25.520 | 33194 | 10 | 13.027 | 5.785 | 33266 | 29 | 20.278 | 12.200 | 33338 | 12 | 23.191 | 17.788 | 33410 | 19 | 25.698 | 25.141 |
| 33102 | 24 | 15.925 | 25.891 | 33195 | 12 | 18.972 | 5.507 | 33267 | 9 | 22.042 | 12.608 | 33339 | 14 | 25.335 | 17.916 | | | | |
| 33103 | 25 | 19.330 | 25.054 | 33196 | 14 | 19.720 | 5.393 | 33268 | 14 | 24.718 | 12.917 | 33340* | 50 | 1.202 | 18.278 | | | | |
| 33104 | 23 | 23.572 | 25.058 | 33197 | 12 | 1.846 | 6.935 | 33269 | 11 | 25.208 | 12.245 | 33341 | 17 | 3.597 | 18.208 | | | | |
| 33105 | 12 | 24.942 | 25.132 | 33198 | 23 | 2.584 | 6.506 | 33270 | 26 | 4.052 | 13.340 | 33342 | 31 | 8.512 | 18.440 | | | | |
| | | | | 33199 | 35 | 2.762 | 6.100 | 33271 | 13 | 5.608 | 13.698 | 33343 | 8 | 12.617 | 18.416 | | | | |
| | | | | 33200 | 8 | 6.954 | 6.327 | 33272 | 15 | 5.978 | 13.914 | 33344 | 13 | 14.310 | 18.084 | | | | |
| | | | | 33201 | 20 | 8.372 | 6.719 | 33273 | 10 | 7.809 | 13.426 | 33345* | 58 | 20.396 | 18.312 | | | | |
| | | | | 33202 | 11 | 12.736 | 6.139 | 33274 | 11 | 11.713 | 13.058 | 33346 | 14 | 0.300 | 19.526 | | | | |
| | | | | 33203 | 21 | 15.780 | 6.198 | 33275 | 8 | 14.792 | 13.196 | 33347 | 10 | 7.076 | 19.024 | | | | |
| | | | | 33204 | 32 | 17.836 | 6.719 | 33276 | 13 | 17.141 | 13.710 | 33348* | 43 | 7.638 | 19.980 | | | | |
| | | | | 33205* | 82 | 18.687 | 6.960 | 33277 | 14 | 17.672 | 13.188 | 33349* | 51 | 10.364 | 19.118 | | | | |
| | | | | 33206 | 11 | 20.682 | 6.472 | 33278 | 15 | 17.720 | 13.252 | 33350 | 13 | 11.246 | 19.568 | | | | |
| | | | | 33207 | 13 | 21.890 | 6.620 | 33279 | 12 | 22.252 | 13.799 | 33351 | 9 | 11.740 | 19.104 | | | | |
| | | | | 33208 | 10 | 22.154 | 6.254 | 33280* | 60 | 2.846 | 14.576 | 33352 | 8 | 16.522 | 19.280 | | | | |
| | | | | 33209 | 26 | 24.083 | 6.006 | 33281 | 11 | 4.152 | 14.383 | 33353 | 11 | 20.550 | 19.148 | | | | |
| | | | | 33210 | 20 | 1.086 | 7.146 | 33282 | 29 | 5.404 | 14.940 | 33354 | 12 | 21.782 | 19.594 | | | | |
| | | | | 33211 | 27 | 1.008 | 7.049 | 33283* | 49 | 9.490 | 14.718 | 33355 | 36 | 0.048 | 20.100 | | | | |
| | | | | 33212 | 10 | 1.709 | 7.373 | 33284 | 20 | 13.394 | 14.750 | 33356 | 20 | 1.098 | 20.744 | | | | |
| | | | | 33213 | 8 | 2.380 | 7.734 | 33285 | 13 | 13.554 | 14.194 | 33357 | 9 | 5.327 | 20.170 | | | | |
| | | | | 33214 | 10 | 6.042 | 7.518 | 33286 | 28 | 14.300 | 14.240 | 33358 | 8 | 5.549 | 20.411 | | | | |
| | | | | 33215 | 12 | 6.572 | 7.568 | 33287 | 10 | 16.490 | 14.805 | 33359 | 10 | 5.824 | 20.046 | | | | |
| | | | | 33216 | 30 | 8.156 | 7.938 | 33288 | 14 | 17.438 | 14.752 | 33360 | 8 | 7.220 | 20.832 | | | | |
| | | | | 33217 | 10 | 16.040 | 7.822 | 33289 | 35 | 20.734 | 14.935 | 33361* | 36 | 8.273 | 20.242 | | | | |
| | | | | 33218 | 10 | 20.108 | 7.207 | 33290* | 62 | 21.080 | 14.773 | 33362 | 23 | 10.221 | 20.488 | | | | |
| | | | | 33219 | 32 | 20.081 | 7.379 | 33291 | 21 | 21.860 | 14.837 | 33363 | 37 | 11.612 | 20.938 | | | | |
| | | | | 33220 | 11 | 21.743 | 7.278 | 33292 | 10 | 22.701 | 14.900 | 33364 | 10 | 17.519 | 20.962 | | | | |
| | | | | 33221 | 25 | 25.104 | 7.645 | 33293 | 8 | 25.017 | 14.200 | 33365 | 32 | 18.704 | 20.673 | | | | |
| | | | | 33222 | 9 | 25.079 | 7.793 | 33294 | 16 | 1.120 | 15.360 | 33366* | 37 | 20.309 | 20.418 | | | | |
| | | | | 33223 | 8 | 9.676 | 8.146 | 33295 | 23 | 3.278 | 15.630 | 33367 | 14 | 21.440 | 20.827 | | | | |
| | | | | 33224 | 13 | 9.950 | 8.648 | 33296 | 20 | 3.730 | 15.490 | 33368 | 13 | 2.528 | 21.326 | | | | |
| | | | | 33225 | 8 | 11.985 | 8.936 | 33297 | 8 | 6.520 | 15.781 | 33369 | 9 | 5.104 | 21.018 | | | | |
| | | | | 33226 | 29 | 12.133 | 8.197 | 33298 | 28 | 8.900 | 15.984 | 33370* | 40 | 5.448 | 21.892 | | | | |
| | | | | 33227 | 18 | 14.904 | 8.430 | 33299 | 36 | 9.567 | 15.063 | 33371 | 10 | 8.622 | 21.287 | | | | |
| | | | | 33228 | 10 | 14.169 | 8.638 | 33300* | 40 | 10.382 | 15.806 | 33372 | 13 | 10.598 | 21.868 | | | | |
| | | | | 33229 | 11 | 15.672 | 8.459 | 33301 | 11 | 13.336 | 15.446 | 33373 | 31 | 12.540 | 21.992 | | | | |
| | | | | 33230 | 12 | 16.817 | 8.456 | 33302 | 8 | 15.258 | 15.019 | 33374 | 27 | 12.898 | 21.518 | | | | |
| | | | | 33231 | 8 | 23.634 | 8.460 | 33303* | 52 | 22.457 | 15.182 | 33375 | 32 | 14.318 | 21.850 | | | | |
| | | | | 33232 | 8 | 24.798 | 8.989 | 33304 | 8 | 24.767 | 15.238 | 33376 | 18 | 15.036 | 21.974 | | | | |
| | | | | 33233 | 39 | 1.000 | 9.674 | 33305 | 9 | 0.507 | 16.664 | 33377 | 17 | 16.882 | 21.023 | | | | |
| | | | | 33234 | 12 | 5.378 | 9.622 | 33306* | 30 | 1.802 | 16.752 | 33378* | 43 | 17.308 | 21.982 | | | | |
| | | | | 33235 | 21 | 6.992 | 9.794 | 33307* | 38 | 1.916 | 16.710 | 33379 | 11 | 22.358 | 21.220 | | | | |
| | | | | 33236 | 16 | 9.142 | 9.762 | 33308 | 31 | 4.327 | 16.722 | 33380 | 10 | 25.190 | 21.938 | | | | |
| | | | | 33237 | 24 | 10.119 | 9.570 | 33309 | 8 | 4.537 | 16.833 | 33381 | 23 | 25.697 | 21.650 | | | | |
| | | | | 33238 | 8 | 10.282 | 9.242 | 33310 | 21 | 4.728 | 16.140 | 33382 | 9 | 7.890 | 22.123 | | | | |
| | | | | 33239 | 15 | 10.460 | 9.341 | 33311 | 9 | 5.859 | 16.648 | 33383 | 9 | 7.936 | 22.650 | | | | |
| | | | | 33240* | 38 | 12.501 | 9.026 | 33312 | 31 | 7.083 | 16.030 | 33384 | 13 | 8.790 | 22.037 | | | | |
| | | | | 33241 | 11 | 13.574 | 9.500 | 33313 | 9 | 7.597 | 16.435 | 33385 | 14 | 10.453 | 22.563 | | | | |
| | | | | 33242 | 10 | 14.415 | 9.061 | 33314 | 10 | 10.586 | 16.634 | 33386 | 17 | 13.672 | 22.460 | | | | |
| | | | | 33243 | 8 | 19.677 | 9.740 | 33315 | 10 | 12.945 | 16.561 | 33387 | 15 | 19.788 | 22.468 | | | | |
| | | | | 33244 | 23 | 24.855 | 9.642 | 33316 | 12 | 13.419 | 16.006 | 33388 | 10 | 22.350 | 22.474 | | | | |

R.A. 9^h 56^m

Plate 983; 1917 Feb. 16.

Provisional Constants.

A B C

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|-------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|-------|
| 33477 | 10 | 17°239 | 2°093 | 33549 | 12 | 6°229 | 10°066 | 33621 | 12 | 12°557 | 16°883 | 33693 | 8 | 20°896 | 21°280 | 33755 | 16 | 11°998 | 0°921 |
| 33478 | 24 | 20°914 | 2°333 | 33550 | 14 | 9°680 | 10°774 | 33622 | 12 | 14°766 | 16°448 | 33694 | 13 | 21°786 | 21°630 | 33756 | 12 | 0°410 | 1°728 |
| 33479 | 16 | 22°900 | 2°898 | 33551 | 10 | 11°154 | 10°643 | 33623 | 23 | 22°930 | 16°364 | 33695 | 14 | 24°971 | 21°338 | 33757 | 42 | 12°426 | 1°136 |
| 33480 | 42 | 22°923 | 2°098 | 33552 | 10 | 12°098 | 10°645 | 33624 | 10 | 23°548 | 16°854 | 33696 | 11 | 25°456 | 21°144 | 33758 | 16 | 18°112 | 1°471 |
| 33481 | 20 | 25°322 | 2°106 | 33553 | 14 | 14°916 | 10°812 | 33625 | 16 | 24°542 | 16°915 | 33697 | 13 | 0°508 | 22°546 | 33759 | 14 | 20°002 | 1°942 |
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| 33886 | 15 | 3-292 | 17-580 | 33958 | 42 | 11-240 | 24-796 | 34051 12 10-292 4-576 | | | | 34115 | 30 | 5-291 | 9-314 | 34187 | 13 | 7-734 | 14-756 |
| 33887 | 12 | 4-134 | 17-050 | 33959 | 22 | 11-570 | 24-245 | 34052 24 10-805 4-224 | | | | 34116 | 24 | 7-514 | 9-552 | 34188* | 33 | 11-500 | 14-490 |
| 33888 | 24 | 4-730 | 17-035 | 33960 | 21 | 14-884 | 24-436 | 34053 24 10-906 4-200 | | | | 34117 | 8 | 7-992 | 9-180 | 34189 | 9 | 20-580 | 14-215 |
| 33889 | 16 | 8-805 | 17-165 | 33961 | 18 | 22-200 | 24-226 | 34054 8 13-024 4-821 | | | | 34118 | 13 | 9-9 | | | | | |

| | | | | R.A. 10 ^h 20 ^m | | | | | | | |
|-------|----|--------|--------|--------------------------------------|----|--------|--------|-------|----|--------|--------|
| | | | | Plate 985; 1917 Feb. 16. | | | | | | | |
| | | | | Provisional Constants. | | | | | | | |
| | | | | A B C | | | | | | | |
| | | | | -02576 +00534 +20883 | | | | | | | |
| | | | | D E F | | | | | | | |
| | | | | -00558 -02579 +0184 | | | | | | | |
| | | | | Mag. = 15.6 - 1.09√d | | | | | | | |
| | | | | No. d x y | | | | | | | |
| 34200 | 8 | 9-602 | 15-482 | 34272 | 12 | 3-874 | 22-245 | 34406 | 9 | 15-467 | 5-111 |
| 34201 | 8 | 10-382 | 15-895 | 34273 | 11 | 4-172 | 22-329 | 34407 | 12 | 10-620 | 5-606 |
| 34202 | 10 | 14-236 | 15-574 | 34274 | 8 | 4-357 | 22-234 | 34408 | 10 | 23-112 | 5-800 |
| 34203 | 8 | 14-362 | 15-086 | 34275 | 11 | 11-752 | 22-006 | 34409 | 40 | 0-942 | 6-395 |
| 34204 | 10 | 17-008 | 15-692 | 34276 | 8 | 12-632 | 22-733 | 34410 | 8 | 0-997 | 6-792 |
| 34205 | 10 | 17-115 | 15-970 | 34277 | 21 | 14-303 | 22-219 | 34411 | 8 | 1-104 | 6-788 |
| 34206 | 10 | 19-704 | 15-622 | 34278 | 10 | 14-734 | 22-690 | 34412 | 20 | 4-841 | 6-246 |
| 34207 | 8 | 20-560 | 15-762 | 34279 | 8 | 14-800 | 22-367 | 34413 | 15 | 5-212 | 6-702 |
| 34208 | 9 | 22-392 | 15-070 | 34280 | 14 | 17-988 | 22-914 | 34414 | 12 | 6-065 | 6-630 |
| 34209 | 39 | 1-120 | 16-487 | 34281 | 8 | 19-148 | 22-070 | 34415 | 14 | 7-135 | 6-250 |
| 34210 | 14 | 1-840 | 16-400 | 34282 | 22 | 20-600 | 22-980 | 34416 | 23 | 10-390 | 6-316 |
| 34211 | 8 | 2-608 | 16-534 | 34283 | 27 | 22-298 | 22-078 | 34417 | 20 | 11-469 | 6-280 |
| 34212 | 11 | 8-850 | 16-627 | 34284 | 8 | 23-674 | 22-180 | 34418 | 9 | 11-714 | 6-924 |
| 34213 | 35 | 9-852 | 16-565 | 34285 | 10 | 1-407 | 23-352 | 34419 | 13 | 22-215 | 6-860 |
| 34214 | 15 | 9-862 | 16-526 | 34286 | 17 | 1-650 | 23-860 | 34420 | 8 | 22-240 | 6-906 |
| 34215 | 10 | 10-978 | 16-466 | 34287 | 8 | 2-274 | 23-890 | 34421 | 10 | 23-708 | 6-280 |
| 34216 | 14 | 11-700 | 16-354 | 34288 | 22 | 2-742 | 23-358 | 34422 | 11 | 23-846 | 6-822 |
| 34217 | 9 | 13-208 | 16-404 | 34289 | 13 | 4-945 | 23-804 | 34423 | 54 | 1-786 | 7-441 |
| 34218 | 22 | 14-972 | 16-160 | 34290 | 11 | 6-258 | 23-779 | 34424 | 10 | 3-957 | 7-802 |
| 34219 | 27 | 18-036 | 16-594 | 34291 | 12 | 7-898 | 23-180 | 34425 | 11 | 7-280 | 7-802 |
| 34220 | 16 | 25-094 | 16-463 | 34292 | 9 | 8-287 | 23-424 | 34426 | 11 | 11-046 | 7-782 |
| 34221 | 28 | 4-943 | 17-398 | 34293 | 10 | 8-424 | 23-029 | 34427 | 40 | 12-382 | 7-770 |
| 34222 | 30 | 9-354 | 17-197 | 34294 | 27 | 9-500 | 23-107 | 34428 | 8 | 13-551 | 7-152 |
| 34223 | 35 | 9-535 | 17-362 | 34295 | 9 | 13-218 | 23-503 | 34429 | 23 | 14-131 | 7-090 |
| 34224 | 14 | 14-430 | 17-859 | 34296 | 13 | 13-304 | 23-156 | 34430 | 22 | 14-490 | 7-760 |
| 34225 | 19 | 15-830 | 17-628 | 34297 | 20 | 13-718 | 23-076 | 34431 | 10 | 15-400 | 7-480 |
| 34226 | 25 | 19-233 | 17-882 | 34298 | 13 | 13-848 | 23-206 | 34432 | 35 | 21-070 | 7-552 |
| 34227 | 12 | 19-740 | 17-789 | 34299 | 33 | 13-678 | 23-744 | 34433 | 40 | 21-424 | 7-276 |
| 34228 | 17 | 24-006 | 17-692 | 34300 | 13 | 16-361 | 23-892 | 34434 | 22 | 22-950 | 7-394 |
| 34229 | 28 | 0-348 | 18-726 | 34301 | 9 | 16-684 | 23-813 | 34435 | 11 | 23-778 | 7-880 |
| 34230 | 37 | 3-278 | 18-034 | 34302 | 9 | 16-858 | 23-714 | 34436 | 32 | 0-601 | 8-588 |
| 34231 | 12 | 9-188 | 18-798 | 34303 | 26 | 18-224 | 23-442 | 34437 | 9 | 8-488 | 8-429 |
| 34232 | 23 | 10-218 | 18-332 | 34304 | 31 | 19-512 | 23-102 | 34438 | 15 | 17-083 | 8-715 |
| 34233 | 29 | 10-816 | 18-468 | 34305 | 9 | 22-384 | 23-826 | 34439 | 14 | 19-104 | 8-304 |
| 34234 | 12 | 10-896 | 18-072 | 34306 | 12 | 25-352 | 23-547 | 34440 | 35 | 21-656 | 8-828 |
| 34235 | 13 | 13-772 | 18-144 | 34307 | 13 | 25-744 | 23-433 | 34441 | 10 | 6-458 | 9-754 |
| 34236 | 8 | 19-220 | 18-895 | 34308 | 14 | 0-205 | 24-222 | 34442 | 22 | 7-884 | 9-803 |
| 34237 | 36 | 20-220 | 18-512 | 34309 | 10 | 5-296 | 24-664 | 34443 | 10 | 8-986 | 9-355 |
| 34238 | 33 | 22-215 | 18-205 | 34310 | 16 | 6-492 | 24-276 | 34444 | 21 | 11-764 | 9-554 |
| 34239 | 27 | 25-050 | 18-109 | 34311 | 16 | 7-144 | 24-576 | 34445 | 20 | 15-558 | 9-775 |
| 34240 | 8 | 25-586 | 18-658 | 34312 | 9 | 12-485 | 24-034 | 34446 | 28 | 20-946 | 9-468 |
| 34241 | 28 | 2-134 | 19-886 | 34313 | 23 | 12-494 | 24-029 | 34447 | 20 | 21-040 | 9-572 |
| 34242 | 30 | 3-942 | 19-058 | 34314 | 12 | 12-998 | 24-323 | 34448 | 17 | 8-860 | 10-415 |
| 34243 | 10 | 6-964 | 19-392 | 34315 | 39 | 13-155 | 24-160 | 34449 | 10 | 10-926 | 10-978 |
| 34244 | 8 | 10-223 | 19-152 | 34316 | 31 | 17-418 | 24-120 | 34450 | 12 | 17-080 | 10-065 |
| 34245 | 28 | 10-729 | 19-745 | 34317 | 38 | 20-380 | 24-228 | 34451 | 20 | 18-329 | 10-152 |
| 34246 | 12 | 13-502 | 19-622 | 34318 | 13 | 21-913 | 24-060 | 34452 | 8 | 18-800 | 10-106 |
| 34247 | 8 | 20-942 | 19-550 | 34319 | 14 | 25-004 | 24-312 | 34453 | 14 | 20-902 | 10-205 |
| 34248 | 12 | 22-948 | 19-248 | 34320 | 11 | 16-572 | 25-523 | 34454 | 11 | 22-170 | 10-059 |
| 34249 | 10 | 24-473 | 19-660 | 34321 | 8 | 20-112 | 25-385 | 34455 | 13 | 23-615 | 10-603 |
| 34250 | 15 | 1-286 | 20-799 | 34322 | 8 | 23-701 | 25-196 | 34456 | 30 | 25-576 | 10-342 |
| 34251 | 8 | 2-618 | 20-846 | | | | | 34457 | 12 | 3-112 | 11-216 |
| 34252 | 34 | 3-257 | 20-430 | | | | | 34458 | 32 | 4-906 | 11-944 |
| 34253 | 22 | 6-232 | 20-019 | | | | | 34459 | 18 | 5-136 | 11-913 |
| 34254 | 27 | 7-207 | 20-704 | | | | | 34460 | 11 | 6-824 | 11-307 |
| 34255 | 9 | 9-826 | 20-560 | | | | | 34461 | 35 | 7-340 | 11-816 |
| 34256 | 29 | 18-198 | 20-030 | | | | | 34462 | 15 | 7-645 | 11-102 |
| 34257 | 8 | 20-934 | 20-032 | | | | | 34463 | 12 | 9-119 | 11-442 |
| 34258 | 8 | 23-413 | 20-568 | | | | | 34464 | 20 | 9-784 | 11-276 |
| 34259 | 8 | 24-311 | 20-348 | | | | | 34465 | 18 | 9-800 | 11-374 |
| 34260 | 18 | 0-660 | 21-339 | | | | | 34466 | 22 | 11-266 | 11-596 |
| 34261 | 22 | 5-855 | 21-557 | | | | | 34467 | 20 | 11-685 | 11-788 |
| 34262 | 9 | 6-476 | 21-084 | | | | | 34468 | 11 | 11-960 | 11-411 |
| 34263 | 8 | 7-600 | 21-595 | | | | | 34469 | 9 | 15-058 | 11-050 |
| 34264 | 15 | 11-256 | 21-851 | | | | | 34470 | 11 | 15-648 | 11-821 |
| 34265 | 29 | 13-450 | 21-602 | | | | | 34471 | 12 | 20-764 | 11-838 |
| 34266 | 12 | 15-788 | 21-200 | | | | | 34472 | 17 | 24-348 | 11-820 |
| 34267 | 22 | 18-850 | 21-810 | | | | | 34473 | 17 | 24-370 | 11-856 |
| 34268 | 40 | 19-059 | 21-974 | | | | | 34474 | 18 | 25-063 | 11-029 |
| 34269 | 10 | 21-100 | 21-828 | | | | | 34475 | 26 | 25-635 | 11-473 |
| 34270 | 11 | 0-020 | 22-392 | | | | | 34476 | 21 | 5-804 | 12-224 |
| 34271 | 10 | 0-544 | 22-778 | | | | | 34477 | 10 | 9-586 | 12-940 |

| | | | | | | | | | | | | | | | | | | | |
|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|
| 34550 | 10 | 15°32' | 17°38' | 34622 | 25 | 20°94' | 24°31' | 34689 | 13 | 6°90' | 5°96' | 34761 | 10 | 19°59' | 12°57' | 34833 | 33 | 13°16' | 18°67' |
| 34551 | 21 | 16°44' | 17°58' | 34623 | 10 | 22°31' | 24°39' | 34690 | 34 | 7°89' | 5°75' | 34762 | 10 | 23°66' | 12°41' | 34834 | 11 | 17°06' | 18°80' |
| 34552 | 24 | 0°25' | 18°44' | 34624 | 8 | 23°07' | 24°05' | 34691* | 38 | 7°02' | 5°84' | 34763 | 32 | 25°19' | 12°56' | 34835 | 8 | 19°15' | 18°40' |
| 34553 | 20 | 3°06' | 18°40' | 34625 | 12 | 25°05' | 24°56' | 34692 | 28 | 12°63' | 5°66' | 34764 | 31 | 0°27' | 13°93' | 34836 | 12 | 2°52' | 19°47' |
| 34554 | 8 | 3°06' | 18°40' | 34626 | 10 | 4°51' | 25°69' | 34693 | 10 | 14°24' | 5°71' | 34765 | 9 | 0°27' | 13°40' | 34837 | 9 | 3°45' | 19°92' |
| 34555 | 9 | 5°03' | 18°40' | 34627* | 58 | 5°46' | 25°21' | 34694 | 20 | 15°18' | 5°30' | 34766 | 8 | 2°38' | 13°09' | 34838 | 31 | 4°30' | 19°12' |
| 34556 | 12 | 6°28' | 18°40' | 34628 | 27 | 6°25' | 25°07' | 34695 | 10 | 16°51' | 5°03' | 34767 | 25 | 3°28' | 13°45' | 34839 | 48 | 7°37' | 19°44' |
| 34557 | 18 | 9°09' | 18°34' | 34629 | 38 | 13°71' | 25°48' | 34696 | 12 | 20°47' | 5°83' | 34768 | 9 | 4°81' | 13°58' | 34840 | 12 | 11°14' | 19°37' |
| 34558* | 29 | 12°01' | 18°09' | 34630 | 11 | 19°39' | 25°55' | 34697 | 10 | 1°47' | 6°25' | 34769 | 12 | 7°06' | 13°45' | 34841 | 14 | 14°16' | 19°46' |
| 34559 | 11 | 12°02' | 18°27' | 34631 | 10 | 19°82' | 25°06' | 34698 | 10 | 1°61' | 6°79' | 34770 | 9 | 8°93' | 13°62' | 34842 | 19 | 18°06' | 19°49' |
| 34560 | 25 | 16°01' | 18°21' | | | | | 34699 | 9 | 4°69' | 6°82' | 34771 | 11 | 11°99' | 13°37' | 34843 | 20 | 18°46' | 19°29' |
| 34561 | 17 | 16°29' | 18°08' | | | | | 34700 | 9 | 4°74' | 6°50' | 34772 | 21 | 13°76' | 13°26' | 34844 | 8 | 2°36' | 20°02' |
| 34562 | 9 | 16°83' | 18°47' | | | | | 34701 | 15 | 9°16' | 6°44' | 34773 | 9 | 14°06' | 13°40' | 34845 | 12 | 4°58' | 20°76' |
| 34563 | 10 | 18°47' | 18°40' | | | | | 34702 | 26 | 13°21' | 6°21' | 34774 | 8 | 14°06' | 13°09' | 34846 | 8 | 4°86' | 20°54' |
| 34564 | 18 | 18°74' | 18°75' | | | | | 34703 | 35 | 15°60' | 6°75' | 34775 | 25 | 15°60' | 13°55' | 34847 | 8 | 9°24' | 20°40' |
| 34565 | 12 | 19°15' | 18°83' | | | | | 34704 | 28 | 18°71' | 6°56' | 34776 | 11 | 18°17' | 13°70' | 34848 | 12 | 9°33' | 20°17' |
| 34566 | 10 | 19°38' | 18°87' | | | | | 34705 | 35 | 19°64' | 6°40' | 34777 | 22 | 18°58' | 13°97' | 34849 | 26 | 9°56' | 20°28' |
| 34567 | 10 | 21°68' | 18°27' | | | | | 34706 | 38 | 21°93' | 6°28' | 34778 | 10 | 19°64' | 13°41' | 34850 | 8 | 10°74' | 20°42' |
| 34568 | 12 | 21°89' | 18°51' | | | | | 34707* | 42 | 2°888 | 6°045 | 34779 | 37 | 21°288 | 13°402 | 34851 | 11 | 10°892 | 20°828 |
| 34569 | 20 | 22°40' | 18°84' | | | | | 34708 | 33 | 0°779 | 7°382 | 34780 | 11 | 21°870 | 13°774 | 34852 | 10 | 13°618 | 20°650 |
| 34570 | 10 | 23°39' | 18°705 | | | | | 34709 | 15 | 1°562 | 7°762 | 34781 | 11 | 3°818 | 14°740 | 34853 | 18 | 14°893 | 20°572 |
| 34571 | 10 | 25°36' | 18°983 | | | | | 34710 | 24 | 3°824 | 7°596 | 34782 | 9 | 4°002 | 14°062 | 34854* | 52 | 14°899 | 20°217 |
| 34572 | 11 | 0°97' | 19°477 | | | | | 34711 | 28 | 6°462 | 7°030 | 34783 | 10 | 4°824 | 14°431 | 34855 | 20 | 20°807 | 20°188 |
| 34573 | 10 | 2°504 | 19°874 | | | | | 34712 | 11 | 8°706 | 7°528 | 34784 | 14 | 6°455 | 14°500 | 34856 | 26 | 0°040 | 21°54 |
| 34574 | 19 | 6°011 | 19°370 | | | | | 34713 | 37 | 9°678 | 7°488 | 34785 | 17 | 6°483 | 14°153 | 34857 | 8 | 2°455 | 21°202 |
| 34575 | 8 | 6°707 | 19°931 | | | | | 34714 | 20 | 11°370 | 7°440 | 34786 | 9 | 10°880 | 14°702 | 34858 | 16 | 5°462 | 21°060 |
| 34576 | 12 | 9°938 | 19°538 | | | | | 34715* | 47 | 11°626 | 7°038 | 34787* | 38 | 11°122 | 14°079 | 34859 | 14 | 6°219 | 21°150 |
| 34577 | 8 | 12°619 | 19°860 | | | | | 34716 | 14 | 19°570 | 7°780 | 34788 | 12 | 12°022 | 14°781 | 34860* | 37 | 6°926 | 21°982 |
| 34578 | 20 | 19°079 | 19°980 | | | | | 34717 | 8 | 22°652 | 7°057 | 34789 | 10 | 14°022 | 14°606 | 34861 | 16 | 7°893 | 21°338 |
| 34579 | 10 | 22°394 | 19°222 | | | | | 34718 | 8 | 22°776 | 7°797 | 34790 | 33 | 21°082 | 14°130 | 34862 | 23 | 14°836 | 21°077 |
| 34580 | 10 | 24°570 | 19°514 | | | | | 34719 | 8 | 24°982 | 7°080 | 34791 | 32 | 21°370 | 14°652 | 34863 | 11 | 17°832 | 21°660 |
| 34581 | 9 | 1°454 | 20°824 | | | | | 34720 | 11 | 5°286 | 8°922 | 34792 | 11 | 1°092 | 15°204 | 34864 | 10 | 20°251 | 21°900 |
| 34582 | 8 | 10°563 | 20°870 | | | | | 34721 | 13 | 8°208 | 8°208 | 34793 | 31 | 1°100 | 15°040 | 34865 | 30 | 20°720 | 21°002 |
| 34583 | 15 | 11°322 | 20°744 | | | | | 34722* | 43 | 10°410 | 8°022 | 34794 | 9 | 2°764 | 15°246 | 34866 | 32 | 21°377 | 21°530 |
| 34584 | 10 | 11°648 | 20°040 | | | | | 34723* | 50 | 12°602 | 8°764 | 34795 | 22 | 3°277 | 15°150 | 34867 | 14 | 4°392 | 22°572 |
| 34585 | 8 | 13°774 | 20°050 | | | | | 34724 | 34 | 12°840 | 8°026 | 34796 | 23 | 3°600 | 15°688 | 34868 | 25 | 5°873 | 22°809 |
| 34586 | 20 | 16°665 | 20°550 | | | | | 34725 | 35 | 15°428 | 8°849 | 34797 | 10 | 4°396 | 15°990 | 34869 | 25 | 6°515 | 22°078 |
| 34587 | 11 | 20°788 | 20°536 | | | | | 34726 | 8 | 22°980 | 8°980 | 34798 | 13 | 7°360 | 15°112 | 34870 | 26 | 8°376 | 22°040 |
| 34588 | 8 | 24°104 | 20°117 | | | | | 34727 | 10 | 10°898 | 9°938 | 34799 | 11 | 9°866 | 15°066 | 34871* | 39 | 10°772 | 22°207 |
| 34589 | 10 | 7°398 | 20°178 | | | | | 34728 | 16 | 11°689 | 9°718 | 34800 | 12 | 7°600 | 15°258 | 34872 | 26 | 10°792 | 22°198 |
| 34590 | 11 | 8°790 | 21°420 | | | | | 34729 | 17 | 16°848 | 9°758 | 34801 | 35 | 10°216 | 15°800 | 34873 | 12 | 12°802 | 22°077 |
| 34591* | 42 | 9°874 | 21°200 | | | | | 34730 | 8 | 16°871 | 9°887 | 34802 | 27 | 17°389 | 15°320 | 34874 | 32 | 14°926 | 22°696 |
| 34592 | 18 | 11°056 | 21°873 | | | | | 34731 | 31 | 19°536 | 9°686 | 34803* | 37 | 17°621 | 15°853 | 34875 | 11 | 14°954 | 22°777 |
| 34593 | 22 | 17°393 | 21°358 | | | | | 34732 | 8 | 23°433 | 9°651 | 34804 | 33 | 18°042 | 15°542 | 34876 | 10 | 19°727 | 22°771 |
| 34594 | 13 | 20°388 | 21°066 | | | | | 34733 | 23 | 1°438 | 10°671 | 34805 | 23 | 23°412 | 15°407 | 34877* | 41 | 20°144 | 22°648 |
| 34595 | 19 | 22°062 | 21°554 | | | | | 34734 | 30 | 2°892 | 10°988 | 34806 | 26 | 2°526 | 16°474 | 34878 | 8 | 20°398 | 22°218 |
| 34596 | 18 | 0°356 | 22°315 | | | | | 34735 | 38 | 3°304 | 10°295 | 34807 | 30 | 3°634 | 16°137 | 34879 | 9 | 21°785 | 22°196 |
| 34597 | 9 | 1°734 | 22°404 | | | | | 34736 | 10 | 6°655 | 10°242 | 34808* | 42 | 6°169 | 16°588 | 34880 | 9 | 22°988 | 22°118 |
| 34598 | 8 | 13°980 | 22°125 | | | | | 34737 | 9 | 8°270 | 10°018 | 34809* | 38 | 8°630 | 16°636 | 34881 | 13 | 0°092 | 23°068 |
| 34599* | 48 | 15°925 | 22°168 | | | | | 34738 | 8 | 11°594 | 10°061 | 34810 | 15 | 9°670 | 16°818 | 34882 | 18 | 1°089 | 23°432 |
| 34600 | 24 | 16°538 | 22°098 | | | | | 34739 | 12 | 13°330 | 10°760 | 34811 | 8 | 14°442 | 16°189 | 34883 | 11 | 5°353 | 23°764 |
| 34601 | 10 | 17°734 | 22°527 | | | | | 34740 | 18 | 14°853 | 10°002 | 34812 | 33 | 15°234 | 16°516 | 34884 | 11 | 5°572 | 23°422 |
| 34602 | 14 | 17°804 | 22°223 | | | | | 34741 | 10 | 20°200 | 10°563 | 34813 | 8 | 16°822 | 16°341 | 34885 | 25 | 6°580 | 23°365 |
| 34603 | 22 | 20°486 | 22°016 | | | | | 34742 | 9 | 20°986 | 10°500 | 34814 | 8 | 21°842 | 16°565 | 34886 | 32 | 6°662 | 23°195 |
| 34604 | 11 | 21°316 | 22°548 | | | | | 34743 | 44 | 25°968 | 10°478 | 34815 | 10 | 21°885 | 16°758 | 34887 | 29 | 8°549 | 23°690 |
| 34605 | 12 | 3°432 | 23°750 | | | | | 34744 | 9 | 0°746 | 11°293 | 34816* | 45 | 23°930 | 16°756 | 34888 | 34 | 21°930 | 23°622 |
| 34606 | 14 | 3°820 | 23°631 | | | | | 34745 | 21 | 2°189 | 11°790 | 34817 | 18 | 25°373 | 16°298 | 34889 | 16 | 23°663 | 23°776 |
| 34607 | 12 | 4°126 | 23°826 | | | | | 34746 | 24 | 2°212 | 11°823 | 34818 | 21 | 4°910 | 17°080 | 34890 | 10 | 0°334 | 24°394 |
| 34608 | 10 | 5°694 | 23°956 | | | | | 34747* | 41 | 3°470 | 11°426 | 34819 | 9 | 10°646 | 17°804 | 34891 | 18 | 3°082 | 24°522 |
| 34609 | 20 | 6°356 | 23°344 | | | | | 34748 | 8 | 4°216 | 11°022 | 34820 | 11 | 12°422 | 17°692 | 34892 | 11 | 9°720 | 24°148 |
| 34610 | 19 | 7°942 | 23°548 | | | | | 34749 | 10 | 6°708 | 11°557 | 34821 | 30 | 14°846 | 17°712 | 34893 | 33 | 11°327 | 24°948 |
| 34611 | 12 | 11°570 | 23°202 | | | | | 34750 | 30 | 13°589 | 11°950 | 34822 | 36 | 15°244 | 17°072 | 34894 | 32 | 13°080 | 24°150 |
| 34612 | 12 | 14°778 | 23°554 | | | | | 34751 | 31 | 15°150 | 11°794 | 34823 | 10 | 17°450 | 17°134 | 34895 | 18 | 14°884 | 24°669 |
| 34613* | 40 | 18°055 | 23°649 | | | | | 34752 | 27 | 17°753 | 11°407 | 34824 | 27 | 19°977 | 17°632 | 34896 | 14 | 22°910 | 24°930 |
| 34614 | 14 | 19°603 | 23°962 | | | | | 34753 | 10 | 25°093 | 11°327 | 34825 | 37 | 21°383 | 17°796 | 34897 | 37 | 23°488 | 24°013 |
| 34615* | 30 | 20°571 | 23°062 | | | | | 34754 | 8 | 0°770 | 12°632 | 34826 | 9 | 23°374 | 17°785 | 34898 | 43 | 5°936 | 25°214 |
| 34616* | 29 | 20°797 | 23°614 | | | | | 34755* | 69 | 1°308 | 12°726 | 34827 | 26 | 0°344 | 18°835 | 34899 | 38 | 9°844 | 25°686 |
| 34617 | 11 | 22°090 | 23°064 | | | | | 34756 | 10 | 3°748 | 12°143 | 34828 | 12 | 1°337 | 18°742 | 34900 | 34 | 23°606 | 25°054 |
| 34618 | 17 | 23°084 | 23°448 | | | | | 34757 | 8 | 12°620 | 12°114 | 34829 | 15 | 3°309 | 18°937 | 34901 | 9 | 23°743 | 25°804 |
| 34619 | 19 | 3°126 | 24°518 | | | | | 34758 | 11 | 12°907 | 12°451 | 34830 | 1 | | | | | | |

| R.A. 10 ^h 36 ^m | | | | R.A. 10 ^h 44 ^m | | | |
|--------------------------------------|--------|--------|-------|--------------------------------------|--------|--------|--------|
| Plate 992; 1917 Feb. 18. | | | | Plate 986; 1917 Feb. 17. | | | |
| Provisional Constants. | | | | Provisional Constants. | | | |
| A | B | C | | A | B | C | |
| -02554 | +00037 | +0745 | | -02565 | +00824 | +1016 | |
| D | E | F | | D | E | F | |
| -00070 | -02576 | -2219 | | -00845 | -02564 | -2241 | |
| Mag. = 16.7 - 1.09√d | | | | Mag. = 16.4 - 1.09√d | | | |
| No. | d | x | y | No. | d | x | y |
| 34951 | 13 | 2.493 | 0.966 | 35006 | 12 | 2.680 | 7.178 |
| 34952 | 10 | 3.550 | 0.999 | 35007 | 30 | 4.242 | 7.992 |
| 34953 | 31 | 4.526 | 0.520 | 35008 | 42 | 7.356 | 7.820 |
| 34954 | 16 | 9.046 | 0.460 | 35009 | 10 | 10.380 | 7.176 |
| 34955 | 14 | 17.496 | 0.455 | 35010 | 18 | 20.850 | 7.094 |
| 34956 | 53 | 17.579 | 0.918 | 35011 | 62 | 22.418 | 7.982 |
| 34957 | 11 | 19.334 | 0.338 | 35012 | 15 | 23.539 | 7.610 |
| 34958 | 16 | 4.210 | 1.683 | 35013 | 11 | 4.568 | 8.313 |
| 34959 | 28 | 7.490 | 1.400 | 35014 | 16 | 8.516 | 8.342 |
| 34960 | 17 | 10.414 | 1.580 | 35015 | 10 | 17.716 | 8.976 |
| 34961 | 19 | 10.650 | 1.822 | 35016 | 10 | 22.242 | 8.526 |
| 34962 | 38 | 11.810 | 1.880 | 35017 | 11 | 23.256 | 8.859 |
| 34963 | 22 | 12.303 | 1.233 | 35018 | 10 | 0.693 | 9.087 |
| 34964 | 9 | 16.088 | 1.928 | 35019 | 10 | 1.140 | 9.756 |
| 34965 | 20 | 17.316 | 1.450 | 35020 | 16 | 3.900 | 9.594 |
| 34966 | 25 | 1.820 | 2.496 | 35021 | 10 | 6.438 | 9.936 |
| 34967 | 30 | 2.686 | 2.669 | 35022 | 12 | 7.147 | 9.920 |
| 34968 | 19 | 3.669 | 2.953 | 35023 | 10 | 8.684 | 9.328 |
| 34969 | 9 | 4.980 | 2.873 | 35024 | 11 | 11.972 | 9.360 |
| 34970 | 12 | 8.417 | 2.360 | 35025 | 20 | 15.640 | 9.264 |
| 34971 | 10 | 14.664 | 2.954 | 35026 | 15 | 18.485 | 9.524 |
| 34972 | 10 | 18.818 | 2.677 | 35027 | 10 | 20.915 | 9.205 |
| 34973 | 15 | 20.560 | 2.957 | 35028 | 15 | 18.485 | 9.524 |
| 34974 | 14 | 5.672 | 3.405 | 35029 | 26 | 23.440 | 9.264 |
| 34975 | 11 | 7.670 | 3.085 | 35030 | 12 | 1.386 | 12.510 |
| 34976 | 21 | 9.960 | 3.413 | 35031 | 13 | 2.866 | 11.425 |
| 34977 | 43 | 11.028 | 3.887 | 35032 | 10 | 3.378 | 11.978 |
| 34978 | 43 | 12.426 | 3.317 | 35033 | 12 | 5.206 | 11.076 |
| 34979 | 20 | 19.786 | 3.695 | 35034 | 12 | 6.680 | 11.604 |
| 34980 | 19 | 21.140 | 3.758 | 35035 | 11 | 6.897 | 11.768 |
| 34981 | 16 | 5.368 | 4.422 | 35036 | 9 | 8.280 | 11.436 |
| 34982 | 17 | 6.502 | 4.634 | 35037 | 25 | 14.054 | 11.434 |
| 34983 | 17 | 7.440 | 4.002 | 35038 | 17 | 17.274 | 11.069 |
| 34984 | 11 | 8.552 | 4.764 | 35039 | 14 | 22.560 | 11.693 |
| 34985 | 18 | 8.862 | 4.620 | 35040 | 26 | 23.440 | 11.366 |
| 34986 | 21 | 17.420 | 4.457 | 35041 | 12 | 1.386 | 12.510 |
| 34987 | 50 | 20.031 | 4.756 | 35042 | 13 | 2.744 | 12.056 |
| 34988 | 27 | 21.344 | 4.728 | 35043 | 27 | 2.910 | 12.660 |
| 34989 | 10 | 23.325 | 4.386 | 35044 | 9 | 5.837 | 12.626 |
| 34990 | 21 | 7.576 | 5.050 | 35045 | 10 | 6.725 | 12.426 |
| 34991 | 10 | 11.914 | 5.820 | 35046 | 16 | 6.774 | 12.156 |
| 34992 | 10 | 13.775 | 5.569 | 35047 | 14 | 7.760 | 12.380 |
| 34993 | 9 | 17.834 | 5.024 | 35048 | 12 | 12.686 | 12.314 |
| 34994 | 20 | 22.167 | 5.575 | 35049 | 11 | 12.837 | 12.841 |
| 34995 | 13 | 22.624 | 5.720 | 35050 | 10 | 14.520 | 12.690 |
| 34996 | 44 | 2.580 | 6.140 | 35051 | 25 | 16.650 | 12.700 |
| 34997 | 10 | 10.736 | 6.826 | 35052 | 16 | 17.358 | 12.520 |
| 34998 | 9 | 12.754 | 6.933 | 35053 | 14 | 17.514 | 12.610 |
| 34999 | 26 | 12.944 | 6.770 | 35054 | 10 | 18.266 | 12.324 |
| 35000 | 11 | 14.380 | 6.094 | 35055 | 8 | 20.243 | 12.240 |
| 35001 | 11 | 20.262 | 6.840 | 35056 | 11 | 20.438 | 12.444 |
| 35002 | 24 | 20.898 | 6.926 | 35057 | 11 | 22.215 | 12.003 |
| 35003 | 12 | 23.825 | 6.354 | 35058 | 11 | 0.970 | 13.170 |
| 35004 | 10 | 0.350 | 7.161 | 35059 | 26 | 3.938 | 13.859 |
| 35005 | 11 | 0.476 | 7.902 | 35060 | 10 | 5.980 | 13.818 |
| | | | | 35061 | 28 | 6.572 | 13.790 |
| | | | | 35062 | 45 | 7.262 | 13.399 |
| | | | | 35063 | 10 | 9.140 | 13.120 |
| | | | | 35064 | 41 | 11.970 | 13.307 |
| | | | | 35065 | 29 | 15.131 | 13.307 |
| | | | | 35066 | 12 | 16.392 | 13.688 |
| | | | | 35067 | 12 | 16.666 | 13.212 |
| | | | | 35068 | 10 | 20.598 | 13.760 |
| | | | | 35069 | 10 | 22.975 | 13.450 |
| | | | | 35070 | 13 | 23.365 | 13.702 |
| | | | | 35071 | | | |
| | | | | 35072 | 15 | 25.784 | 13.413 |
| | | | | 35073 | 9 | 4.428 | 14.612 |
| | | | | 35074 | 8 | 4.688 | 14.310 |
| | | | | 35075 | 27 | 8.082 | 14.935 |
| | | | | 35076 | 22 | 8.157 | 14.298 |
| | | | | 35077 | 15 | 9.121 | 14.230 |
| | | | | 35078 | 14 | 9.246 | 14.308 |
| | | | | 35079 | 12 | 10.248 | 14.350 |
| | | | | 35080 | 14 | 13.452 | 14.778 |
| | | | | 35081 | 8 | 18.616 | 14.919 |
| | | | | 35082 | 9 | 19.504 | 14.588 |
| | | | | 35083 | 11 | 19.540 | 14.760 |
| | | | | 35084 | 9 | 19.816 | 14.570 |
| | | | | 35085 | 40 | 25.086 | 14.447 |
| | | | | 35086 | 21 | 1.140 | 15.512 |
| | | | | 35087 | 13 | 3.812 | 15.126 |
| | | | | 35088 | 33 | 6.150 | 15.048 |
| | | | | 35089 | 11 | 7.488 | 15.000 |
| | | | | 35090 | 17 | 7.620 | 15.633 |
| | | | | 35091 | 17 | 10.774 | 15.784 |
| | | | | 35092 | 19 | 12.986 | 15.520 |
| | | | | 35093 | 13 | 14.090 | 15.426 |
| | | | | 35094 | 23 | 19.206 | 15.252 |
| | | | | 35095 | 13 | 22.850 | 15.214 |
| | | | | 35096 | 11 | 23.018 | 15.163 |
| | | | | 35097 | 25 | 25.002 | 15.077 |
| | | | | 35098 | 46 | 1.662 | 16.856 |
| | | | | 35099 | 10 | 3.108 | 16.393 |
| | | | | 35100 | 17 | 3.832 | 16.485 |
| | | | | 35101 | 10 | 5.072 | 16.888 |
| | | | | 35102 | 19 | 6.104 | 16.455 |
| | | | | 35103 | 21 | 6.662 | 16.465 |
| | | | | 35104 | 12 | 9.757 | 16.993 |
| | | | | 35105 | 18 | 9.780 | 16.290 |
| | | | | 35106 | 20 | 12.617 | 16.187 |
| | | | | 35107 | 10 | 1.116 | 17.892 |
| | | | | 35108 | 13 | 4.702 | 17.988 |
| | | | | 35109 | 24 | 5.035 | 17.244 |
| | | | | 35110 | 10 | 5.270 | 17.820 |
| | | | | 35111 | 9 | 6.758 | 17.934 |
| | | | | 35112 | 10 | 11.116 | 17.603 |
| | | | | 35113 | 10 | 11.475 | 17.532 |
| | | | | 35114 | 12 | 11.960 | 17.700 |
| | | | | 35115 | 14 | 14.678 | 17.123 |
| | | | | 35116 | 10 | 14.780 | 17.346 |
| | | | | 35117 | 14 | 15.685 | 17.844 |
| | | | | 35118 | 15 | 20.266 | 17.512 |
| | | | | 35119 | 15 | 20.404 | 17.548 |
| | | | | 35120 | 11 | 21.420 | 17.330 |
| | | | | 35121 | 18 | 21.640 | 17.208 |
| | | | | 35122 | 9 | 1.444 | 18.312 |
| | | | | 35123 | 9 | 1.720 | 18.560 |
| | | | | 35124 | 10 | 12.152 | 18.701 |
| | | | | 35125 | 11 | 15.076 | 18.608 |
| | | | | 35126 | 9 | 16.710 | 18.632 |
| | | | | 35127 | 10 | 18.574 | 18.401 |
| | | | | 35128 | 12 | 19.360 | 18.136 |
| | | | | 35129 | 13 | 21.114 | 18.113 |
| | | | | 35130 | 35 | 22.050 | 18.854 |
| | | | | 35131 | 24 | 4.740 | 19.239 |
| | | | | 35132 | 10 | 6.608 | 19.387 |
| | | | | 35133 | 10 | 8.287 | 19.426 |
| | | | | 35134 | 9 | 11.345 | 19.890 |
| | | | | 35135 | 10 | 11.758 | 19.600 |
| | | | | 35136 | 18 | 13.390 | 19.736 |
| | | | | 35137 | 16 | 13.764 | 19.630 |
| | | | | 35138 | 20 | 15.780 | 19.393 |
| | | | | 35139 | 13 | 19.477 | 19.458 |
| | | | | 35140 | 12 | 20.952 | 19.927 |
| | | | | 35141 | 11 | 23.210 | 19.791 |
| | | | | 35142 | 9 | 25.214 | 19.712 |
| | | | | 35143 | 10 | 3.442 | 20.024 |
| | | | | 35144 | | | |
| | | | | 35145 | 27 | 4.885 | 20.264 |
| | | | | 35146 | 18 | 9.388 | 20.474 |
| | | | | 35147 | 23 | 11.883 | 20.562 |
| | | | | 35148 | 26 | 13.174 | 20.806 |
| | | | | 35149 | 9 | 13.940 | 20.500 |
| | | | | 35150 | 11 | 16.515 | 20.840 |
| | | | | 35151 | 10 | 19.509 | 20.133 |
| | | | | 35152 | 24 | 20.274 | 20.537 |
| | | | | 35153 | 9 | 21.968 | 20.554 |
| | | | | 35154 | 20 | 22.325 | 20.736 |
| | | | | 35155 | 10 | 22.515 | 20.982 |
| | | | | 35156 | 9 | 22.644 | 20.982 |
| | | | | 35157 | 11 | 3.897 | 21.469 |
| | | | | 35158 | 47 | 4.083 | 21.580 |
| | | | | 35159 | 18 | 8.980 | 21.743 |
| | | | | 35160 | 11 | 11.389 | 21.750 |
| | | | | 35161 | 34 | 13.170 | 21.525 |
| | | | | 35162 | 34 | 13.191 | 21.661 |
| | | | | 35163 | 10 | 16.110 | 21.700 |
| | | | | 35164 | 13 | 17.054 | 21.916 |
| | | | | 35165 | 25 | 17.639 | 21.718 |
| | | | | 35166 | 24 | 19.720 | 21.706 |
| | | | | 35167 | 9 | 20.124 | 21.324 |
| | | | | 35168 | 1 | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|----|--------|-------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
| 35650 | 11 | 13.126 | 22.698 | 35719 | 20 | 14.786 | 3.593 | 35791 | 20 | 15.544 | 9.666 | 35863 | 13 | 11.731 | 16.172 | 35935 | 20 | 19.351 | 24.341 |
| 35651 | 8 | 16.442 | 22.376 | 35720 | 20 | 16.390 | 3.608 | 35792 | 11 | 16.184 | 9.998 | 35864 | 17 | 15.186 | 16.240 | 35936 | 13 | 24.782 | 24.174 |
| 35652 | 8 | 17.750 | 22.116 | 35721 | 33 | 16.624 | 3.295 | 35793 | 20 | 19.858 | 9.523 | 35865 | 9 | 15.300 | 16.470 | 35937 | 42 | 8.510 | 25.504 |
| 35653 | 26 | 18.364 | 22.651 | 35722 | 40 | 17.099 | 3.744 | 35794 | 10 | 24.123 | 9.721 | 35866 | 13 | 15.954 | 16.026 | 35938 | 10 | 15.719 | 25.468 |
| 35654 | 8 | 21.432 | 22.394 | 35723 | 20 | 20.172 | 3.941 | 35795 | 16 | 25.484 | 9.576 | 35867 | 37 | 17.004 | 16.735 | 35939 | 13 | 16.014 | 25.379 |
| 35655 | 11 | 1.419 | 23.470 | 35724 | 17 | 3.162 | 4.268 | 35796 | 60 | 0.996 | 10.237 | 35868 | 20 | 19.034 | 16.518 | 35940 | 27 | 16.340 | 25.024 |
| 35656 | 20 | 6.548 | 23.500 | 35725 | 22 | 7.969 | 4.755 | 35797 | 14 | 1.292 | 10.404 | 35869 | 20 | 21.440 | 16.627 | 35941 | 11 | 16.752 | 25.950 |
| 35657 | 18 | 7.280 | 23.476 | 35726 | 17 | 10.284 | 4.360 | 35798 | 29 | 1.998 | 10.244 | 35870 | 14 | 24.349 | 16.012 | 35942 | 56 | 17.460 | 25.996 |
| 35658 | 8 | 7.640 | 23.556 | 35727 | 12 | 15.850 | 4.213 | 35799 | 12 | 6.082 | 10.250 | 35871 | 34 | 0.487 | 17.855 | 35943 | 10 | 23.635 | 25.406 |
| 35659 | 10 | 8.458 | 23.250 | 35728 | 23 | 16.044 | 4.556 | 35800 | 15 | 6.656 | 10.460 | 35872 | 26 | 2.950 | 17.404 | | | | |
| 35660 | 8 | 9.298 | 23.392 | 35729 | 25 | 18.036 | 4.624 | 35801 | 13 | 9.578 | 10.159 | 35873 | 9 | 9.910 | 17.538 | | | | |
| 35661 | 14 | 16.591 | 23.380 | 35730 | 14 | 18.820 | 4.690 | 35802 | 19 | 9.696 | 10.252 | 35874 | 11 | 15.388 | 17.154 | | | | |
| 35662 | 12 | 21.080 | 23.228 | 35731 | 15 | 19.270 | 4.572 | 35803 | 17 | 14.294 | 10.498 | 35875 | 10 | 16.385 | 17.286 | | | | |
| 35663 | 22 | 5.110 | 24.680 | 35732 | 11 | 21.254 | 4.201 | 35804 | 10 | 16.084 | 10.880 | 35876 | 22 | 16.516 | 17.003 | | | | |
| 35664 | 25 | 5.796 | 24.800 | 35733 | 11 | 23.386 | 4.343 | 35805 | 24 | 18.564 | 10.980 | 35877 | 10 | 16.705 | 17.906 | | | | |
| 35665 | 23 | 14.454 | 24.505 | 35734 | 35 | 24.536 | 4.448 | 35806 | 9 | 21.791 | 10.906 | 35878 | 10 | 17.418 | 17.510 | | | | |
| 35666 | 34 | 18.117 | 24.360 | 35735 | 8 | 1.496 | 5.224 | 35807 | 12 | 25.100 | 10.147 | 35879 | 9 | 18.386 | 17.714 | | | | |
| 35667 | 8 | 20.654 | 24.019 | 35736 | 12 | 4.236 | 5.458 | 35808 | 8 | 25.782 | 10.834 | 35880 | 11 | 24.360 | 17.868 | | | | |
| 35668 | 17 | 20.685 | 24.291 | 35737 | 20 | 5.748 | 5.120 | 35809 | 15 | 2.927 | 11.979 | 35881 | 15 | 3.900 | 18.076 | | | | |
| 35669 | 13 | 21.210 | 24.230 | 35738 | 14 | 10.352 | 5.084 | 35810 | 29 | 4.946 | 11.349 | 35882 | 52 | 4.078 | 18.573 | | | | |
| 35670 | 14 | 21.710 | 24.149 | 35739 | 19 | 10.509 | 5.214 | 35811 | 26 | 5.638 | 11.765 | 35883 | 20 | 16.721 | 18.806 | | | | |
| 35671 | 66 | 2.483 | 25.381 | 35740 | 15 | 11.470 | 5.200 | 35812 | 20 | 9.645 | 11.320 | 35884 | 8 | 17.449 | 18.966 | | | | |
| 35672 | 11 | 5.948 | 25.530 | 35741 | 11 | 13.781 | 5.430 | 35813 | 10 | 14.386 | 11.175 | 35885 | 32 | 18.760 | 18.262 | | | | |
| 35673 | 68 | 8.249 | 25.814 | 35742 | 8 | 13.900 | 5.340 | 35814 | 24 | 17.948 | 11.120 | 35886 | 8 | 22.773 | 18.806 | | | | |
| 35674 | 35 | 11.504 | 25.008 | 35743 | 12 | 14.166 | 5.596 | 35815 | 75 | 23.902 | 11.000 | 35887 | 50 | 23.302 | 18.495 | | | | |
| 35675 | 41 | 12.477 | 25.766 | 35744 | 10 | 17.286 | 5.584 | 35816 | 12 | 2.365 | 12.552 | 35888 | 40 | 23.586 | 18.908 | | | | |
| 35676 | 13 | 13.126 | 25.489 | 35745 | 8 | 17.648 | 5.930 | 35817 | 33 | 2.755 | 12.599 | 35889 | 16 | 25.706 | 18.803 | | | | |
| 35677 | 12 | 15.802 | 25.578 | 35746 | 9 | 17.804 | 5.543 | 35818 | 9 | 4.574 | 12.485 | 35890 | 10 | 0.550 | 19.023 | | | | |
| 35678 | 15 | 18.566 | 25.861 | 35747 | 22 | 19.202 | 5.632 | 35819 | 18 | 4.590 | 12.440 | 35891 | 10 | 1.455 | 19.168 | | | | |
| 35679 | 21 | 20.187 | 25.445 | 35748 | 11 | 19.716 | 5.026 | 35820 | 9 | 6.836 | 12.404 | 35892 | 12 | 2.704 | 19.123 | | | | |
| | | | | 35749 | 17 | 22.886 | 5.790 | 35821 | 8 | 7.026 | 12.699 | 35893 | 35 | 2.828 | 19.526 | | | | |
| | | | | 35750 | 24 | 9.950 | 6.819 | 35822 | 29 | 8.055 | 12.277 | 35894 | 9 | 11.051 | 19.824 | | | | |
| | | | | 35751 | 24 | 10.427 | 6.283 | 35823 | 27 | 12.818 | 12.200 | 35895 | 26 | 14.993 | 19.013 | | | | |
| | | | | 35752 | 9 | 11.546 | 6.489 | 35824 | 12 | 18.002 | 12.928 | 35896 | 11 | 15.632 | 19.100 | | | | |
| | | | | 35753 | 26 | 12.138 | 6.173 | 35825 | 10 | 18.320 | 12.848 | 35897 | 22 | 16.447 | 19.603 | | | | |
| | | | | 35754 | 24 | 15.464 | 6.165 | 35826 | 17 | 24.445 | 12.014 | 35898 | 23 | 17.850 | 19.352 | | | | |
| | | | | 35755 | 14 | 19.218 | 6.032 | 35827 | 24 | 25.532 | 12.922 | 35899 | 10 | 19.646 | 19.405 | | | | |
| | | | | 35756 | 15 | 22.490 | 6.138 | 35828 | 20 | 0.278 | 13.094 | 35900 | 13 | 20.096 | 19.882 | | | | |
| | | | | 35757 | 13 | 24.025 | 6.315 | 35829 | 17 | 2.830 | 13.335 | 35901 | 14 | 22.344 | 19.216 | | | | |
| | | | | 35758 | 19 | 24.296 | 6.106 | 35830 | 9 | 6.214 | 13.372 | 35902 | 19 | 24.318 | 19.388 | | | | |
| | | | | 35759 | 22 | 25.284 | 6.147 | 35831 | 8 | 8.712 | 13.263 | 35903 | 40 | 24.617 | 19.740 | | | | |
| | | | | 35760 | 20 | 3.942 | 7.030 | 35832 | 10 | 9.516 | 13.064 | 35904 | 12 | 24.831 | 19.808 | | | | |
| | | | | 35761 | 11 | 5.926 | 7.638 | 35833 | 80 | 10.012 | 13.753 | 35905 | 8 | 10.020 | 20.646 | | | | |
| | | | | 35762 | 10 | 6.980 | 7.458 | 35834 | 21 | 14.476 | 13.908 | 35906 | 11 | 11.222 | 20.262 | | | | |
| | | | | 35763 | 8 | 10.986 | 7.431 | 35835 | 39 | 11.530 | 13.922 | 35907 | 12 | 21.033 | 20.411 | | | | |
| | | | | 35764 | 20 | 11.561 | 7.046 | 35836 | 10 | 14.511 | 13.214 | 35908 | 42 | 1.345 | 21.608 | | | | |
| | | | | 35765 | 21 | 12.435 | 7.516 | 35837 | 21 | 15.816 | 13.093 | 35909 | 18 | 10.080 | 21.665 | | | | |
| | | | | 35766 | 13 | 15.050 | 7.156 | 35838 | 12 | 18.134 | 13.334 | 35910 | 20 | 16.210 | 21.128 | | | | |
| | | | | 35767 | 30 | 15.808 | 7.076 | 35839 | 13 | 18.854 | 13.959 | 35911 | 13 | 19.656 | 21.781 | | | | |
| | | | | 35768 | 10 | 16.113 | 7.824 | 35840 | 9 | 19.687 | 13.374 | 35912 | 10 | 5.500 | 22.246 | | | | |
| | | | | 35769 | 12 | 20.532 | 7.508 | 35841 | 10 | 21.589 | 13.916 | 35913 | 11 | 11.166 | 22.845 | | | | |
| | | | | 35770 | 12 | 21.134 | 7.190 | 35842 | 14 | 23.576 | 13.187 | 35914 | 11 | 11.383 | 22.825 | | | | |
| | | | | 35771 | 12 | 23.442 | 7.762 | 35843 | 12 | 2.412 | 14.288 | 35915 | 39 | 11.444 | 22.772 | | | | |
| | | | | 35772 | 15 | 0.004 | 8.622 | 35844 | 14 | 3.635 | 14.520 | 35916 | 12 | 11.647 | 22.665 | | | | |
| | | | | 35773 | 22 | 1.058 | 8.796 | 35845 | 18 | 4.815 | 14.966 | 35917 | 12 | 12.814 | 22.720 | | | | |
| | | | | 35774 | 21 | 10.646 | 8.530 | 35846 | 33 | 7.224 | 14.446 | 35918 | 13 | 14.050 | 22.326 | | | | |
| | | | | 35775 | 13 | 14.644 | 8.294 | 35847 | 9 | 7.418 | 14.946 | 35919 | 52 | 15.350 | 22.604 | | | | |
| | | | | 35776 | 12 | 16.078 | 8.982 | 35848 | 20 | 11.860 | 14.781 | 35920 | 8 | 16.125 | 22.668 | | | | |
| | | | | 35777 | 16 | 17.119 | 8.415 | 35849 | 16 | 18.113 | 14.202 | 35921 | 13 | 22.582 | 22.686 | | | | |
| | | | | 35778 | 14 | 17.886 | 8.798 | 35850 | 8 | 20.206 | 14.830 | 35922 | 8 | 3.400 | 23.529 | | | | |
| | | | | 35779 | 26 | 21.016 | 8.576 | 35851 | 13 | 23.955 | 14.096 | 35923 | 12 | 5.448 | 23.023 | | | | |
| | | | | 35780 | 10 | 22.358 | 8.630 | 35852 | 38 | 1.028 | 15.849 | 35924 | 18 | 15.660 | 23.634 | | | | |
| | | | | 35781 | 40 | 23.270 | 8.578 | 35853 | 40 | 3.220 | 15.709 | 35925 | 12 | 19.646 | 23.627 | | | | |
| | | | | 35782 | 20 | 23.875 | 8.177 | 35854 | 27 | 5.674 | 15.714 | 35926 | 13 | 22.158 | 23.400 | | | | |
| | | | | 35783 | 8 | 1.240 | 9.073 | 35855 | 10 | 6.824 | 15.752 | 35927 | 68 | 24.258 | 23.842 | | | | |
| | | | | 35784 | 12 | 5.906 | 9.314 | 35856 | 19 | 14.934 | 15.190 | 35928 | 11 | 3.726 | 24.858 | | | | |
| | | | | 35785 | 13 | 6.476 | 9.770 | 35857 | 15 | 20.692 | 15.712 | 35929 | 10 | 7.276 | 24.335 | | | | |
| | | | | 35786 | 12 | 9.146 | 9.834 | 35858 | 18 | 25.374 | 15.446 | 35930 | 15 | 9.155 | 24.834 | | | | |
| | | | | 35787 | 25 | 9.751 | 9.972 | 35859 | 11 | 2.991 | 16.066 | 35931 | 12 | 12.992 | 24.968 | | | | |
| | | | | 35788 | 30 | 11.118 | 9.574 | 35860 | 11 | 3.660 | 16.613 | 35932 | 20 | 13.073 | 24.151 | | | | |
| | | | | 35789 | 14 | 13.011 | 9.706 | 35861 | 40 | 3.885 | 16.986 | 35933 | 17 | 14.458 | 24.090 | | | | |
| | | | | 35790 | 14 | 14.540 | 9.412 | 35862 | 10 | 9.798 | 16.503 | 35934 | 14 | 19.212 | 24.307 | | | | |

R.A. 11^h 8^m

Plate 990; 1917 Feb. 17.

Provisional Constants.

| A | B | C |
|--------|--------|-------|
| -02572 | +00568 | -1378 |

| D | E | F |
|--------|--------|-------|
| -00543 | -02579 | -1636 |

Mag. = 16.0

| | | | | | | | | | | | | | | | | | |
|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|---|---|--------|--------|--------|--------|
| 35990 | 10 | 6-796 | 5-612 | 36062 | 9 | 21-498 | 12-970 | 36134* | 53 | 9-768 | 19-540 | R.A. 11 ^h 16 ^m Plate 991; 1917 Feb. 17. Provisional Constants. A B C -02562 +00438 -00116 D E F -00419 -02579 -2076 Mag. = 16.4 - 1.09√d | 36256 | 38 | 5-819 | 8-838 | |
| 35991 | 8 | 6-810 | 5-640 | 36063 | 13 | 21-500 | 12-710 | 36135 | 10 | 10-282 | 19-416 | | 36257 | 19 | 7-755 | 8-898 | |
| 35992 | 17 | 7-014 | 5-730 | 36064 | 10 | 23-172 | 12-882 | 36136 | 19 | 14-182 | 19-222 | | 36258 | 24 | 14-840 | 8-428 | |
| 35993 | 30 | 9-209 | 5-294 | 36065 | 17 | 25-981 | 12-540 | 36137 | 12 | 20-323 | 19-202 | | 36259 | 18 | 19-098 | 8-402 | |
| 35994 | 40 | 11-628 | 5-902 | 36066 | 12 | 1-263 | 13-260 | 36138 | 33 | 20-089 | 19-360 | No. d x y 36201 15 0-622 0-812 36202 46 7-522 0-337 36203 24 9-746 0-460 36204 22 15-560 0-582 36205 56 17-600 0-290 36206 16 23-115 0-722 36207 15 6-520 1-326 36208 34 11-159 1-404 36209 23 11-438 1-001 36210 48 17-246 1-276 36211 17 18-714 1-704 36212 86 24-508 1-374 36213 17 1-279 2-362 36214 24 5-350 2-186 36215 36 12-501 2-789 36216 11 12-772 2-906 36217 18 15-460 2-550 36218 16 0-280 3-376 36219 24 1-388 3-734 36220 39 2-864 3-977 36221 23 16-048 3-384 36222 98 19-360 3-396 36223 18 25-663 3-411 36224 14 6-744 4-994 36225 30 7-838 4-206 36226 18 10-800 4-738 36227 15 12-445 4-826 36228 36 17-000 4-743 36229 34 20-750 4-094 36230 18 21-078 4-021 36231 30 4-790 5-586 36232 15 5-514 5-825 36233 18 7-040 5-398 36234 51 11-165 5-068 36235 39 14-481 5-588 36236 16 16-478 5-569 36237 26 19-240 5-600 36238 14 19-256 5-400 36239 44 21-493 5-719 36240 16 2-064 6-560 36241 16 3-784 6-726 36242 14 12-633 6-251 36243 24 15-876 6-060 36244 26 18-782 6-298 36245 15 21-970 6-098 36246 24 3-778 7-532 36247 20 6-950 7-544 36248 17 8-317 7-258 36249 18 17-182 7-319 36250 24 17-572 7-317 36251 38 19-192 7-295 36252 18 7-972 7-324* 36253 26 23-047 7-426 36254 20 2-209 8-015 36255 26 3-798 8-548 | 36260 | 21 | 21-892 | 8-619 | |
| 35995 | 10 | 17-197 | 5-360 | 36067 | 19 | 4-670 | 13-776 | 36139* | 38 | 21-136 | 19-534 | | 36261 | 28 | 0-814 | 9-742 | |
| 35996 | 13 | 0-528 | 6-220 | 36068 | 11 | 5-300 | 13-802 | 36140 | 20 | 21-934 | 19-478 | | 36262 | 19 | 1-492 | 9-412 | |
| 35997 | 16 | 1-608 | 6-381 | 36069 | 10 | 8-432 | 13-468 | 36141 | 8 | 22-422 | 19-208 | | 36263 | 17 | 7-686 | 9-504 | |
| 35998 | 24 | 1-875 | 6-170 | 36070 | 9 | 10-482 | 13-860 | 36142 | 18 | 23-036 | 19-688 | | 36264 19 8-501 9-905 36265 39 12-437 9-350 36266 13 13-067 9-318 36267 19 13-614 9-854 36268 20 14-335 9-233 36269 19 16-410 9-120 36270 22 17-706 9-920 36271 18 21-963 9-566 36272 36 2-331 10-948 36273 24 4-128 10-682 36274 16 11-066 10-002 36275 20 10-076 11-461 36276 16 10-426 11-870 36277 15 11-756 11-910 36278 17 13-632 11-276 36279 23 14-745 11-718 36280 29 21-988 11-089 36281 37 22-932 11-742 36282 36 23-892 11-497 36283 14 1-170 12-094 36284 19 3-976 12-592 36285 15 7-692 12-672 36286 60 10-539 12-766 36287 26 10-873 12-490 36288 18 12-869 12-083 36289 34 13-054 12-280 36290 22 23-944 12-134 36291 19 1-845 13-245 36292 17 4-249 13-601 36293 20 4-615 13-024 36294 20 7-697 13-906 36295 18 11-994 13-176 36296 30 14-619 13-070 36297 16 15-432 13-630 36298 18 17-466 13-203 36299 13 18-278 13-714 36300 20 2-274 14-296 36301 14 2-572 14-162 36302 12 13-074 14-176 36303 16 15-037 14-259 36304 20 15-093 14-799 36305 14 21-954 14-475 36306 17 22-674 14-706 36307 23 23-346 14-774 36308 15 24-590 14-373 36309 10 0-280 15-226 36310 16 1-176 15-006 36311 28 1-276 15-910 36312 12 6-554 15-298 36313 10 6-624 15-441 36314 14 7-956 15-774 36315 39 7-978 15-742 36316 16 8-321 15-444 36317 17 9-278 15-747 36318 30 9-414 15-830 36319 34 9-578 15-748 36320 26 11-402 15-122 36321 18 17-325 15-472 36322 10 17-448 15-628 36323 24 19-350 15-928 36324 40 23-032 15-794 36325 37 23-440 15-644 36326 15 0-745 16-426 36327 34 1-105 16-600 | 36264 | 19 | 8-501 | 9-905 |
| 35999 | 31 | 2-862 | 6-195 | 36071 | 8 | 14-478 | 13-408 | 36143 | 12 | 24-855 | 19-405 | | | 36265* | 39 | 12-437 | 9-350 |
| 36000 | 17 | 4-368 | 6-202 | 36072* | 40 | 18-511 | 13-144 | 36144 | 19 | 5-382 | 20-693 | | | 36266 | 13 | 13-067 | 9-318 |
| 36001 | 16 | 6-840 | 6-874 | 36073* | 70 | 19-076 | 13-506 | 36145 | 20 | 7-316 | 20-828 | | | 36267 | 19 | 13-614 | 9-854 |
| 36002 | 22 | 7-144 | 6-631 | 36074* | 38 | 21-440 | 13-020 | 36146 | 18 | 8-704 | 20-779 | | | 36268 | 20 | 14-335 | 9-233 |
| 36003* | 26 | 18-570 | 6-033 | 36075 | 11 | 23-842 | 13-172 | 36147 | 20 | 11-510 | 20-806 | | | 36269 | 19 | 16-410 | 9-120 |
| 36004 | 13 | 25-844 | 6-672 | 36076 | 10 | 1-666 | 14-160 | 36148 | 22 | 13-143 | 20-948 | | | 36270 | 22 | 17-706 | 9-920 |
| 36005 | 14 | 1-047 | 7-834 | 36077 | 12 | 8-666 | 14-229 | 36149 | 12 | 16-908 | 20-305 | | | 36271 | 18 | 21-963 | 9-566 |
| 36006 | 8 | 3-571 | 7-043 | 36078 | 20 | 9-924 | 14-934 | 36150 | 15 | 18-888 | 20-631 | | | 36272 | 36 | 2-331 | 10-948 |
| 36007 | 18 | 8-334 | 7-837 | 36079* | 43 | 11-756 | 14-226 | 36151 | 10 | 19-212 | 20-663 | | | 36273 | 24 | 4-128 | 10-682 |
| 36008 | 18 | 11-637 | 7-462 | 36080 | 15 | 12-498 | 14-107 | 36152 | 29 | 19-906 | 20-596 | | | 36274 | 16 | 11-066 | 10-002 |
| 36009 | 28 | 14-056 | 7-378 | 36081 | 23 | 15-722 | 14-800 | 36153 | 10 | 8-316 | 21-312 | | | 36275 | 20 | 10-076 | 11-461 |
| 36010 | 10 | 23-496 | 7-028 | 36082 | 24 | 18-100 | 14-156 | 36154 | 14 | 10-160 | 21-346 | | | 36276 | 16 | 10-426 | 11-870 |
| 36011 | 15 | 25-832 | 7-478 | 36083 | 30 | 18-774 | 14-402 | 36155 | 23 | 11-877 | 21-794 | | | 36277 | 15 | 11-756 | 11-910 |
| 36012* | 34 | 0-883 | 8-657 | 36084 | 19 | 19-048 | 14-032 | 36156 | 8 | 15-214 | 21-964 | | | 36278 | 17 | 13-632 | 11-276 |
| 36013 | 16 | 1-485 | 8-241 | 36085 | 17 | 19-239 | 14-420 | 36157 | 16 | 15-098 | 21-921 | | | 36279 | 23 | 14-745 | 11-718 |
| 36014 | 10 | 3-180 | 8-201 | 36086 | 11 | 21-675 | 14-523 | 36158 | 13 | 19-824 | 21-474 | | | 36280 | 29 | 21-988 | 11-089 |
| 36015 | 22 | 10-026 | 8-159 | 36087 | 13 | 23-156 | 14-920 | 36159 | 8 | 24-742 | 21-634 | | | 36281* | 37 | 22-932 | 11-742 |
| 36016 | 8 | 11-027 | 8-250 | 36088 | 19 | 24-264 | 14-227 | 36160 | 12 | 0-423 | 22-774 | | | 36282 | 36 | 23-892 | 11-497 |
| 36017 | 12 | 11-301 | 8-327 | 36089 | 23 | 3-098 | 15-490 | 36161 | 13 | 5-286 | 22-645 | | | 36283 | 14 | 1-170 | 12-094 |
| 36018 | 12 | 13-420 | 8-044 | 36090 | 9 | 8-470 | 15-170 | 36162* | 39 | 5-499 | 22-570 | | | 36284 | 19 | 3-976 | 12-592 |
| 36019 | 11 | 18-147 | 8-842 | 36091 | 13 | 8-401 | 15-133 | 36163 | 10 | 6-626 | 22-334 | | | 36285 | 15 | 7-692 | 12-672 |
| 36020 | 12 | 24-254 | 8-844 | 36092 | 10 | 10-222 | 15-352 | 36164 | 12 | 13-092 | 22-205 | | | 36286* | 60 | 10-539 | 12-766 |
| 36021 | 18 | 25-840 | 8-407 | 36093 | 15 | 22-269 | 15-138 | 36165 | 18 | 14-668 | 22-028 | | | 36287 | 26 | 10-873 | 12-490 |
| 36022 | 11 | 1-758 | 9-785 | 36094 | 19 | 23-248 | 15-831 | 36166 | 25 | 20-324 | 22-330 | | | 36288 | 18 | 12-869 | 12-083 |
| 36023 | 11 | 2-426 | 9-185 | 36095 | 16 | 2-082 | 16-072 | 36167 | 9 | 24-390 | 22-278 | | | 36289 | 34 | 13-054 | 12-280 |
| 36024 | 8 | 2-952 | 9-618 | 36096 | 11 | 4-522 | 16-092 | 36168 | 11 | 0-012 | 23-493 | | | 36290 | 22 | 23-944 | 12-134 |
| 36025 | 19 | 3-116 | 9-191 | 36097 | 16 | 6-328 | 16-626 | 36169 | 10 | 1-730 | 23-252 | | | 36291 | 19 | 1-845 | 13-245 |
| 36026 | 28 | 4-792 | 9-351 | 36098 | 19 | 10-989 | 16-408 | 36170* | 65 | 2-107 | 23-902 | | | 36292 | 17 | 4-249 | 13-601 |
| 36027 | 10 | 12-824 | 9-552 | 36099 | 16 | 11-632 | 16-712 | 36171 | 14 | 6-165 | 23-112 | | | 36293 | 20 | 4-615 | 13-024 |
| 36028 | 14 | 15-544 | 9-258 | 36100 | 12 | 12-326 | 16-290 | 36172 | 12 | 7-045 | 23-900 | | | 36294 | 20 | 7-697 | 13-906 |
| 36029 | 21 | 19-337 | 9-708 | 36101 | 31 | 13-234 | 16-560 | 36173 | 12 | 8-092 | 23-758 | | | 36295 | 18 | 11-994 | 13-176 |
| 36030 | 12 | 20-874 | 9-732 | 36102 | 38 | 15-395 | 16-874 | 36174 | 23 | 9-006 | 23-872 | | | 36296 | 30 | 14-619 | 13-070 |
| 36031 | 25 | 22-849 | 9-658 | 36103* | 33 | 19-480 | 16-110 | 36175 | 11 | 11-618 | 23-701 | | | 36297 | 16 | 15-432 | 13-630 |
| 36032 | 11 | 23-527 | 9-339 | 36104 | 8 | 21-695 | 16-110 | 36176* | 43 | 14-501 | 23-041 | | | 36298 | 18 | 17-466 | 13-203 |
| 36033 | 17 | 2-740 | 10-108 | 36105 | 8 | 22-712 | 16-345 | 36177 | 17 | 18-296 | 23-239 | | | 36299 | 13 | 18-278 | 13-714 |
| 36034 | 15 | 6-636 | 10-762 | 36106 | 30 | 23-072 | 16-518 | 36178 | 25 | 22-421 | 23-107 | | | 36300 | 20 | 2-274 | 14-296 |
| 36035 | 11 | 10-136 | 10-664 | 36107 | 13 | 24-304 | 16-078 | 36179 | 10 | 1-672 | 24-752 | | | 36301 | 14 | 2-572 | 14-162 |
| 36036 | 11 | 10-216 | 10-432 | 36108 | 17 | 24-370 | 16-692 | 36180 | 12 | 2-650 | 24-228 | | | 36302 | 12 | 13-074 | 14-176 |
| 36037 | 9 | 14-857 | 10-540 | 36109 | 18 | 24-804 | 16-298 | 36181 | 8 | 3-286 | 24-190 | | | 36303 | 16 | 15-037 | 14-259 |
| 36038 | 30 | 24-354 | 10-878 | 36110 | 12 | 24-979 | 16-562 | 36182 | 10 | 5-582 | 24-102 | | | 36304 | 20 | 15-093 | 14-799 |
| 36039* | 74 | 1-550 | 11-070 | 36111 | 10 | 2-122 | 17-930 | 36183 | 12 | 8-756 | 24-211 | 36305 | | 14 | 21-954 | 14-475 | |
| 36040 | 21 | 4-546 | 11-108 | 36112 | 12 | 10-536 | 17-602 | 36184* | 44 | 13-245 | 24-150 | 36306 | | 17 | 22-674 | 14-706 | |
| 36041 | 10 | 6-718 | 11-218 | 36113 | 11 | 15-815 | 17-180 | 36185 | 16 | 13-376 | 24-554 | 36307 | | 23 | 23-346 | 14-774 | |
| 36042 | 15 | 7-657 | 11-563 | 36114 | 8 | 22-664 | 17-337 | 36186 | 11 | 18-900 | 24-004 | 36308 | | 15 | 24-590 | 14-373 | |
| 36043 | 30 | 8-452 | 11-609 | 36115 | 16 | 23-480 | 17-287 | 36187 | 9 | 21-728 | 24-918 | 36309 | 19 | 0- | | | |

| | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|--|
| 36328 | 17 | 2-336 | 16-148 | 36400 | 13 | 2-754 | 22-862 | 36466 | 13 | 21-518 | 3-044 | 36588 | 35 | 0-999 | 16-081 | R.A. 11^h 32^m Plate 994 : 1917 Feb. 18. <i>Provisional Constants.</i> A B C -02579 +00162 +1080 D E F -00175 -02582 -2737 Mag. = 16.4 - 1.09√d |
| 36329 | 21 | 2-406 | 16-760 | 36401 | 19 | 8-787 | 22-849 | 36467 | 10 | 25-164 | 3-307 | 36589 | 9 | 6-056 | 16-514 | |
| 36330 | 21 | 2-838 | 16-600 | 36402 | 12 | 10-389 | 22-385 | 36468 | 12 | 3-862 | 4-418 | 36590 | 9 | 15-910 | 16-470 | |
| 36331 | 19 | 3-019 | 16-624 | 36403 | 13 | 11-164 | 22-826 | 36469 | 33 | 10-356 | 4-546 | 36591 | 37 | 17-364 | 16-947 | |
| 36332 | 16 | 7-626 | 16-674 | 36404 | 32 | 12-158 | 22-776 | 36470 | 13 | 17-877 | 4-181 | 36592 | 42 | 17-544 | 16-603 | No. d x y 36651 31 4-510 0-664 36652 8 7-635 0-438 36653 25 16-030 0-376 36654 10 16-041 0-137 36655 20 16-427 0-566 36656 20 16-688 0-902 36657 8 1-884 1-864 36658 46 7-704 1-231 36659 10 14-901 1-751 36660 10 23-480 1-954 36661 8 0-197 2-295 36662 10 1-272 2-560 36663 40 2-024 2-659 36664 10 3-584 2-421 36665 24 9-804 2-439 36666 22 10-904 2-100 36667 20 15-673 2-978 36668 26 16-662 2-518 36669 13 17-443 2-116 36670 42 20-926 2-356 36671 24 22-540 2-516 36672 28 4-515 3-405 36673 11 10-810 3-586 36674 11 12-524 3-542 36675 12 17-958 3-086 36676 12 20-840 3-333 36677 27 22-284 3-014 36678 15 25-350 3-067 36679 49 0-654 4-470 36680 9 6-175 4-350 36681 12 7-803 4-752 36682 13 10-250 4-884 36683 21 11-087 4-960 36684 19 16-008 4-862 36685 14 8-152 5-156 36686 12 9-541 5-240 36687 19 10-746 5-808 36688 38 11-876 5-560 36689 10 15-765 5-632 36690 40 16-174 5-036 36691 17 18-214 5-194 36692 10 23-222 5-176 36693 12 23-799 5-693 36694 19 0-748 6-942 36695 8 13-938 6-280 36696 20 16-556 6-467 36697 10 17-174 6-812 36698 10 17-610 6-307 36699 12 16-940 7-450 36700 11 18-642 7-851 36701 28 20-640 7-150 36702 10 0-388 8-324 36703 10 1-150 8-879 36704 8 12-501 8-377 36705 15 13-401 8-084 |
| 36333 | 14 | 8-169 | 16-070 | 36405 | 17 | 12-036 | 22-286 | 36471 | 41 | 22-817 | 4-592 | 36593 | 8 | 20-160 | 16-686 | |
| 36334 | 16 | 14-234 | 16-966 | 36406 | 45 | 14-011 | 22-981 | 36472 | 8 | 0-215 | 5-004 | 36594 | 33 | 22-025 | 16-805 | |
| 36335 | 13 | 15-101 | 16-465 | 36407 | 23 | 18-404 | 22-556 | 36473 | 9 | 6-900 | 5-080 | 36595 | 8 | 22-417 | 16-090 | |
| 36336 | 20 | 15-197 | 16-379 | 36408 | 34 | 0-528 | 23-194 | 36474 | 11 | 9-224 | 5-050 | 36596 | 34 | 25-802 | 16-466 | R.A. 11^h 24^m Plate 1010 : 1917 March 3. <i>Provisional Constants.</i> A B C -02566 +00520 +0377 D E F -00535 -02591 -0126 Mag. = 15.7 - 1.09√d |
| 36337 | 16 | 15-992 | 16-500 | 36409 | 26 | 5-608 | 23-341 | 36475 | 13 | 19-133 | 5-091 | 36597 | 31 | 4-976 | 17-993 | |
| 36338 | 56 | 17-594 | 16-127 | 36410 | 16 | 6-455 | 23-886 | 36476 | 12 | 4-661 | 6-390 | 36598 | 22 | 14-580 | 17-302 | |
| 36339 | 39 | 20-736 | 16-601 | 36411 | 31 | 6-728 | 23-916 | 36477 | 25 | 5-600 | 6-330 | 36599 | 8 | 23-910 | 17-656 | |
| 36340 | 17 | 21-020 | 16-366 | 36412 | 16 | 8-130 | 23-036 | 36478 | 27 | 9-924 | 6-980 | 36600 | 14 | 4-758 | 18-768 | No. d x y 36651 31 4-510 0-664 36652 8 7-635 0-438 36653 25 16-030 0-376 36654 10 16-041 0-137 36655 20 16-427 0-566 36656 20 16-688 0-902 36657 8 1-884 1-864 36658 46 7-704 1-231 36659 10 14-901 1-751 36660 10 23-480 1-954 36661 8 0-197 2-295 36662 10 1-272 2-560 36663 40 2-024 2-659 36664 10 3-584 2-421 36665 24 9-804 2-439 36666 22 10-904 2-100 36667 20 15-673 2-978 36668 26 16-662 2-518 36669 13 17-443 2-116 36670 42 20-926 2-356 36671 24 22-540 2-516 36672 28 4-515 3-405 36673 11 10-810 3-586 36674 11 12-524 3-542 36675 12 17-958 3-086 36676 12 20-840 3-333 36677 27 22-284 3-014 36678 15 25-350 3-067 36679 49 0-654 4-470 36680 9 6-175 4-350 36681 12 7-803 4-752 36682 13 10-250 4-884 36683 21 11-087 4-960 36684 19 16-008 4-862 36685 14 8-152 5-156 36686 12 9-541 5-240 36687 19 10-746 5-808 36688 38 11-876 5-560 36689 10 15-765 5-632 36690 40 16-174 5-036 36691 17 18-214 5-194 36692 10 23-222 5-176 36693 12 23-799 5-693 36694 19 0-748 6-942 36695 8 13-938 6-280 36696 20 16-556 6-467 36697 10 17-174 6-812 36698 10 17-610 6-307 36699 12 16-940 7-450 36700 11 18-642 7-851 36701 28 20-640 7-150 36702 10 0-388 8-324 36703 10 1-150 8-879 36704 8 12-501 8-377 36705 15 13-401 8-084 |
| 36341 | 16 | 22-890 | 16-414 | 36413 | 40 | 8-367 | 23-376 | 36479 | 27 | 19-710 | 6-026 | 36601 | 26 | 7-918 | 18-822 | |
| 36342 | 24 | 1-524 | 17-362 | 36414 | 19 | 8-621 | 23-162 | 36480 | 11 | 20-484 | 6-240 | 36602 | 18 | 10-313 | 18-372 | |
| 36343 | 17 | 5-744 | 17-491 | 36415 | 23 | 9-846 | 23-821 | 36481 | 31 | 21-304 | 6-065 | 36603 | 22 | 20-676 | 18-821 | No. d x y 36651 31 4-510 0-664 36652 8 7-635 0-438 36653 25 16-030 0-376 36654 10 16-041 0-137 36655 20 16-427 0-566 36656 20 16-688 0-902 36657 8 1-884 1-864 36658 46 7-704 1-231 36659 10 14-901 1-751 36660 10 23-480 1-954 36661 8 0-197 2-295 36662 10 1-272 2-560 36663 40 2-024 2-659 36664 10 3-584 2-421 36665 24 9-804 2-439 36666 22 10-904 2-100 36667 20 15-673 2-978 36668 26 16-662 2-518 36669 13 17-443 2-116 36670 42 20-926 2-356 36671 24 22-540 2-516 36672 28 4-515 3-405 36673 11 10-810 3-586 36674 11 12-524 3-542 36675 12 17-958 3-086 36676 12 20-840 3-333 36677 27 22-284 3-014 36678 15 25-350 3-067 36679 49 0-654 4-470 36680 9 6-175 4-350 36681 12 7-803 4-752 36682 13 10-250 4-884 36683 21 11-087 4-960 36684 19 16-008 4-862 36685 14 8-152 5-156 36686 12 9-541 5-240 36687 19 10-746 5-808 36688 38 11-876 5-560 36689 10 15-765 5-632 36690 40 16-174 5-036 36691 17 18-214 5-194 36692 10 23-222 5-176 36693 12 23-799 5-693 36694 19 0-748 6-942 36695 8 13-938 6-280 36696 20 16-556 6-467 36697 10 17-174 6-812 36698 10 17-610 6-307 36699 12 16-940 7-450 36700 11 18-642 7-851 36701 28 20-640 7-150 36702 10 0-388 8-324 36703 10 1-150 8-879 36704 8 12-501 8-377 36705 15 13-401 8-084 |
| 36344 | 15 | 8-252 | 17-988 | 36416 | 56 | 14-995 | 23-620 | 36482 | 19 | 9-914 | 7-712 | 36604 | 25 | 2-566 | 19-725 | |
| 36345 | 20 | 9-028 | 17-638 | 36417 | 20 | 24-354 | 23-013 | 36483 | 8 | 2-055 | 7-530 | 36605 | 8 | 8-902 | 19-942 | |
| 36346 | 23 | 9-254 | 17-164 | 36418 | 17 | 1-706 | 24-306 | 36484 | 30 | 4-975 | 7-120 | 36606 | 8 | 13-252 | 19-366 | |
| 36347 | 16 | 9-384 | 17-554 | 36419 | 28 | 4-206 | 24-771 | 36485 | 30 | 6-354 | 7-067 | 36607 | 23 | 7-420 | 20-042 | |
| 36348 | 14 | 10-757 | 17-204 | 36420 | 13 | 6-560 | 24-946 | 36486 | 33 | 18-986 | 7-576 | 36608 | 14 | 10-060 | 20-088 | No. d x y 36651 31 4-510 0-664 36652 8 7-635 0-438 36653 25 16-030 0-376 36654 10 16-041 0-137 36655 20 16-427 0-566 36656 20 16-688 0-902 36657 8 1-884 1-864 36658 46 7-704 1-231 36659 10 14-901 1-751 36660 10 23-480 1-954 36661 8 0-197 2-295 36662 10 1-272 2-560 36663 40 2-024 2-659 36664 10 3-584 2-421 36665 24 9-804 2-439 36666 22 10-904 2-100 36667 20 15-673 2-978 36668 26 16-662 2-518 36669 13 17-443 2-116 36670 42 20-926 2-356 36671 24 22-540 2-516 36672 28 4-515 3-405 36673 11 10-810 3-586 36674 11 12-524 3-542 36675 12 17-958 3-086 36676 12 20-840 3-333 36677 27 22-284 3-014 36678 15 25-350 3-067 36679 49 0-654 4-470 36680 9 6-175 4-350 36681 12 7-803 4-752 36682 13 10-250 4-884 36683 21 11-087 4-960 36684 19 16-008 4-862 36685 14 8-152 5-156 36686 12 9-541 5-240 36687 19 10-746 5-808 36688 38 11-876 5-560 36689 10 15-765 5-632 36690 40 16-174 5-036 36691 17 18-214 5-194 36692 10 23-222 5-176 36693 12 23-799 5-693 36694 19 0-748 6-942 36695 8 13-938 6-280 36696 20 16-556 6-467 36697 10 17-174 6-812 36698 10 17-610 6-307 36699 12 16-940 7-450 36700 11 18-642 7-851 36701 28 20-640 7-150 36702 10 0-388 8-324 36703 10 1-150 8-879 36704 8 12-501 8-377 36705 15 13-401 8-084 |
| 36349 | 36 | 11-698 | 17-931 | 36421 | 22 | 9-494 | 24-290 | 36487 | 10 | 22-893 | 7-062 | 36609 | 45 | 15-952 | 20-371 | |
| 36350 | 37 | 19-068 | 17-535 | 36422 | 18 | 17-962 | 24-629 | 36488 | 12 | 6-672 | 8-596 | 36610 | 30 | 16-494 | 20-335 | |
| 36351 | 15 | 21-072 | 17-002 | 36423 | 36 | 20-888 | 24-944 | 36489 | 49 | 7-306 | 7-526 | 36611 | 8 | 16-634 | 20-550 | |
| 36352 | 29 | 3-266 | 18-967 | 36424 | 48 | 4-655 | 25-372 | 36490 | 27 | 14-765 | 8-608 | 36612 | 49 | 18-145 | 20-148 | No. d x y 36651 31 4-510 0-664 36652 8 7-635 0-438 36653 25 16-030 0-376 36654 10 16-041 0-137 36655 20 16-427 0-566 36656 20 16-688 0-902 36657 8 1-884 1-864 36658 46 7-704 1-231 36659 10 14-901 1-751 36660 10 23-480 1-954 36661 8 0-197 2-295 36662 10 1-272 2-560 36663 40 2-024 2-659 36664 10 3-584 2-421 36665 24 9-804 2-439 36666 22 10-904 2-100 36667 20 15-673 2-978 36668 26 16-662 2-518 36669 13 17-443 2-116 36670 42 20-926 2-356 36671 24 22-540 2-516 36672 28 4-515 3-405 36673 11 10-810 3-586 36674 11 12-524 3-542 36675 12 17-958 3-086 36676 12 20-840 3-333 36677 27 22-284 3-014 36678 15 25-350 3-067 36679 49 0-654 4-470 36680 9 6-175 4-350 36681 12 7-803 4-752 36682 13 10-250 4-884 36683 21 11-087 4-960 36684 19 16-008 4-862 36685 14 8-152 5-156 36686 12 9-541 5-240 36687 19 10-746 5-808 36688 38 11-876 5-560 36689 10 15-765 5-632 36690 40 16-174 5-036 36691 17 18-214 5-194 36692 10 23-222 5-176 36693 12 23-799 5-693 36694 19 0-748 6-942 36695 8 13-938 6-280 36696 20 16-556 6-467 36697 10 17-174 6-812 36698 10 17-610 6-307 36699 12 16-940 7-450 36700 11 18-642 7-851 36701 28 20-640 7-150 36702 10 0-388 8-324 36703 10 1-150 8-879 36704 8 12-501 8-377 36705 15 13-401 8-084 |
| 36353 | 24 | 4-784 | 18-212 | 36425 | 54 | 5-251 | 25-886 | 36491 | 20 | 9-868 | 9-085 | 36613 | 9 | 18-158 | 20-122 | |
| 36354 | 17 | 6-406 | 18-440 | 36426 | 12 | 5-375 | 25-749 | 36492 | 9 | 22-724 | 9-196 | 36614 | 20 | 19-450 | 20-952 | |
| 36355 | 19 | 6-992 | 18-010 | 36427 | 51 | 7-700 | 25-993 | 36493 | 11 | 24-398 | 9-331 | 36615 | 29 | 1-216 | 21-804 | |
| 36356 | 24 | 9-842 | 18-392 | 36428 | 20 | 8-010 | 25-677 | 36494 | 8 | 3-734 | 10-232 | 36616 | 15 | 4-068 | 21-834 | No. d x |

| | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|--------|----|--------|--------|---|--------|----|--------|--------|--------|----|--------|--------|
| 36706 | 9 | 16-966 | 8-645 | 36778 | 9 | 0-188 | 18-500 | R.A. 11^h 40^m Plate 995; 1917 Feb. 18. <i>Provisional Constants.</i> A B C -02596 +00602 +2354 D E F -00608 -02559 -1611 <i>Mag.</i> = 15.8 - 1.09√ <i>d</i> | 36906 | 11 | 24-812 | 8-404 | 36978 | 11 | 22-363 | 18-034 |
| 36707 | 9 | 18-620 | 8-980 | 36779 | 13 | 9-316 | 18-764 | | 36907 | 13 | 25-212 | 8-144 | 36979 | 28 | 24-216 | 18-270 |
| 36708 | 8 | 21-805 | 8-552 | 36780 | 12 | 13-270 | 18-405 | | 36908* | 40 | 25-324 | 8-142 | 36980 | 12 | 3-400 | 18-220 |
| 36709 | 13 | 0-000 | 9-074 | 36781 | 11 | 13-338 | 18-076 | | 36909 | 16 | 0-259 | 9-116 | 36981 | 15 | 4-772 | 19-201 |
| 36710 | 14 | 2-273 | 9-195 | 36782 | 19 | 16-835 | 18-210 | R.A. 11^h 48^m Plate 1011; 1917 March 19. <i>Provisional Constants.</i> A B C -02556 +00803 +1654 D E F -00809 -02589 -2786 <i>Mag.</i> = 15.1 - 1.09√ <i>d</i> | 36910 | 9 | 10-424 | 9-704 | 36982 | 19 | 4-078 | 19-744 |
| 36711 | 20 | 10-406 | 9-065 | 36783 | 41 | 25-576 | 18-059 | | 36911 | 10 | 15-870 | 9-370 | 36983 | 15 | 6-202 | 19-099 |
| 36712 | 9 | 10-959 | 9-227 | 36784 | 27 | 25-679 | 18-180 | | 36912 | 14 | 17-907 | 9-046 | 36984 | 10 | 8-146 | 19-147 |
| 36713 | 23 | 11-103 | 9-652 | 36785 | 10 | 4-978 | 19-134 | | 36913 | 12 | 0-564 | 10-824 | 36985 | 19 | 8-216 | 19-924 |
| 36714 | 18 | 11-512 | 9-140 | 36786 | 10 | 12-523 | 19-071 | R.A. 11^h 48^m Plate 1011; 1917 March 19. <i>Provisional Constants.</i> A B C -02556 +00803 +1654 D E F -00809 -02589 -2786 <i>Mag.</i> = 15.1 - 1.09√ <i>d</i> | 36914 | 12 | 12-800 | 10-253 | 36986 | 16 | 11-016 | 19-696 |
| 36715 | 35 | 12-220 | 9-112 | 36787 | 13 | 15-239 | 19-098 | | 36915 | 17 | 14-360 | 10-031 | 36987 | 24 | 15-090 | 19-548 |
| 36716 | 31 | 2-148 | 10-447 | 36788 | 25 | 16-948 | 19-320 | | 36916* | 38 | 20-403 | 10-603 | 36988 | 33 | 19-663 | 19-252 |
| 36717 | 23 | 2-655 | 10-740 | 36789 | 12 | 20-100 | 19-039 | | 36917 | 38 | 0-300 | 11-412 | 36989 | 40 | 24-804 | 19-757 |
| 36718 | 11 | 12-341 | 10-418 | 36790 | 12 | 20-661 | 19-619 | R.A. 11^h 48^m Plate 1011; 1917 March 19. <i>Provisional Constants.</i> A B C -02556 +00803 +1654 D E F -00809 -02589 -2786 <i>Mag.</i> = 15.1 - 1.09√ <i>d</i> | 36918* | 33 | 4-398 | 11-216 | 36990 | 14 | 24-535 | 19-379 |
| 36719 | 10 | 13-308 | 10-039 | 36791 | 11 | 19-697 | 20-623 | | 36919 | 10 | 4-758 | 11-464 | 36991 | 13 | 3-812 | 20-404 |
| 36720 | 23 | 13-720 | 10-557 | 36792 | 10 | 25-306 | 20-352 | | 36920 | 11 | 13-098 | 11-821 | 36992 | 13 | 8-340 | 20-880 |
| 36721 | 11 | 14-237 | 10-262 | 36793 | 28 | 3-406 | 21-790 | | 36921 | 10 | 17-059 | 11-897 | 36993 | 12 | 14-757 | 20-016 |
| 36722 | 50 | 16-130 | 10-377 | 36794* | 37 | 6-166 | 21-742 | R.A. 11^h 48^m Plate 1011; 1917 March 19. <i>Provisional Constants.</i> A B C -02556 +00803 +1654 D E F -00809 -02589 -2786 <i>Mag.</i> = 15.1 - 1.09√ <i>d</i> | 36922* | 47 | 17-537 | 11-414 | 36994 | 24 | 15-295 | 20-297 |
| 36723 | 11 | 17-666 | 10-344 | 36795 | 17 | 7-470 | 21-294 | | 36923 | 11 | 19-777 | 11-791 | 36995 | 20 | 4-215 | 21-769 |
| 36724 | 11 | 22-539 | 10-602 | 36796 | 13 | 7-834 | 21-512 | | 36924* | 37 | 20-416 | 11-708 | 36996* | 65 | 4-792 | 21-145 |
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| | | | | | | | | | | | | | | | | | | | |
|--------|----|--------|-------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|-------|--------|----|--------|--------|
| 37055 | 17 | 13-752 | 0-678 | 37127 | 9 | 12-904 | 10-756 | 37199 | 12 | 9-436 | 21-322 | 37264 | 22 | 13-734 | 2-563 | 37336 | 21 | 4-033 | 10-774 |
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| 37073 | 18 | 16-375 | 2-581 | 37145 | 8 | 3-180 | 13-608 | 37217* | 38 | 15-084 | 23-376 | 37282 | 19 | 5-160 | 4-276 | 37354 | 9 | 12-631 | 12-556 |
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| 37078 | 16 | 24-560 | 3-969 | 37150 | 18 | 19-210 | 13-143 | 37222 | 26 | 13-976 | 24-870 | 37287 | 8 | 22-105 | 4-504 | 37359 | 33 | 2-478 | 13-678 |
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| 37082 | 25 | 5-400 | 4-658 | 37154 | 13 | 2-210 | 14-890 | 37226 | 28 | 20-986 | 24-884 | 37291* | 50 | 3-844 | 5-808 | 37363 | 10 | 4-588 | 13-636 |
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| 37086 | 14 | 16-928 | 4-898 | 37158 | 12 | 19-550 | 14-355 | 37230 | 20 | 15-070 | 25-450 | 37295 | 11 | 19-944 | 5-078 | 37367* | 15 | 12-100 | 13-790 |
| 37087 | 31 | 18-486 | 4-196 | 37159 | 16 | 20-294 | 14-542 | 37231 | 11 | 17-971 | 25-992 | 37296 | 9 | 20-866 | 5-094 | 37368 | 33 | 13-661 | 13-912 |
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| 37090* | 35 | 7-734 | 5-634 | 37162 | 9 | 2-336 | 15-344 | | | | | 37299 | 17 | 9-346 | 6-886 | 37371 | 18 | 21-499 | 13-780 |
| 37091 | 8 | 7-802 | 5-977 | 37163* | 36 | 5-268 | 15-629 | | | | | 37300 | 9 | 9-981 | 6-493 | 37372 | 32 | 22-926 | 13-941 |
| 37092 | 31 | 8-247 | 5-341 | 37164 | 8 | 5-816 | 15-846 | | | | | 37301 | 34 | 15-186 | 6-424 | 37373 | 8 | 5-748 | 14-346 |
| 37093 | 12 | 9-379 | 5-322 | 37165 | 11 | 6-960 | 15-451 | | | | | 37302 | 21 | 16-020 | 6-902 | 37374 | 17 | 6-824 | 14-304 |
| 37094 | 12 | 11-562 | 5-872 | 37166* | 35 | 6-612 | 15-761 | | | | | 37303 | 17 | 0-202 | 7-864 | 37375 | 10 | 13-938 | 14-789 |
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| 37096 | 15 | 15-722 | 5-623 | 37168* | 37 | 1-613 | 16-589 | | | | | 37305 | 8 | 3-855 | 7-695 | 37377 | 18 | 20-058 | 14-492 |
| 37097 | 13 | 25-397 | 5-650 | 37169 | 11 | 17-530 | 16-649 | | | | | 37306 | 14 | 6-943 | 7-038 | 37378 | 8 | 25-248 | 14-422 |
| 37098 | 21 | 1-570 | 6-024 | 37170 | 10 | 17-750 | 16-643 | | | | | 37307* | 33 | 17-796 | 7-660 | 37379 | 18 | 26-685 | 14-090 |
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| 37102 | 26 | 9-764 | 6-092 | 37174 | 15 | 3-848 | 17-220 | | | | | 37311 | 14 | 1-980 | 8-958 | 37383 | 31 | 9-035 | 15-236 |
| 37103 | 10 | 12-542 | 6-956 | 37175* | 40 | 10-904 | 17-101 | | | | | 37312 | 28 | 2-090 | 8-738 | 37384 | 9 | 10-694 | 15-820 |
| 37104 | 19 | 15-730 | 6-144 | 37176* | 30 | 21-048 | 17-172 | | | | | 37313 | 36 | 4-505 | 8-423 | 37385 | 8 | 13-659 | 15-713 |
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| 37108* | 38 | 8-872 | 7-870 | 37180 | 13 | 16-508 | 18-930 | | | | | 37317 | 12 | 14-438 | 8-744 | 37389 | 10 | 4-497 | 16-748 |
| 37109 | 13 | 22-464 | 7-448 | 37181 | 8 | 19-424 | 18-390 | | | | | 37318 | 16 | 15-434 | 8-724 | 37390 | 10 | 5-256 | 16-312 |
| 37110 | 9 | 2-594 | 8-408 | 37182 | 30 | 23-892 | 18-588 | | | | | 37319 | 9 | 17-800 | 8-299 | 37391 | 8 | 21-044 | 16-953 |
| 37111 | 10 | 2-994 | 8-142 | 37183* | 33 | 0-740 | 19-786 | | | | | 37320* | 32 | 18-030 | 8-604 | 37392 | 25 | 7-646 | 17-621 |
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| 37113 | 19 | 3-900 | 8-400 | 37185 | 12 | 7-988 | 19-680 | | | | | 37322* | 33 | 21-969 | 8-000 | 37394 | 12 | 15-150 | 17-288 |
| 37114 | 21 | 7-437 | 8-218 | 37186 | 16 | 8-816 | 19-228 | | | | | 37323 | 15 | 1-464 | 9-442 | 37395 | 34 | 24-695 | 17-892 |
| 37115 | 18 | 7-440 | 8-780 | 37187 | 8 | 14-828 | 19-532 | | | | | 37324 | 8 | 6-335 | 9-530 | 37396 | 36 | 1-601 | 18-994 |
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| 37118* | 41 | 11-870 | 8-032 | 37190 | 12 | 8-564 | 20-104 | | | | | 37327 | 9 | 11-052 | 9-366 | 37399 | 8 | 8-041 | 18-052 |
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| 37120 | 23 | 24-348 | 8-330 | 37192 | 12 | 11-734 | 20-650 | | | | | 37329 | 26 | 15-966 | 9-264 | 37401 | 12 | 10-070 | 18-160 |

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| 37408 | 19 | 8-510 | 19-604 | R.A. 12 ^h 4 ^m Plate 1012; 1917 March 19. Provisional Constants. A B C -02545 +00161 +1311 D E F -00188 -02593 -1679 Mag. = 15.7 - 1.09√d | 37556 | 10 | 24-674 | 10-032 | 37628 | 13 | 8-641 | 23-465 | 37683 | 11 | 4-293 | 6-554 |
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| 37415 | 10 | 24-829 | 20-296 | 37563 | 35 | 7-020 | 12-186 | 37635 | 10 | 13-470 | 24-075 | 37690 | 12 | 21-506 | 7-414 | |
| 37416 | 27 | 3-786 | 21-154 | 37564 | 9 | 12-513 | 12-300 | 37636 | 9 | 14-674 | 24-578 | 37691 | 9 | 22-406 | 7-312 | |
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| 37428 | 27 | 23-424 | 21-305 | 37576 | 14 | 19-106 | 14-644 | | | | | 37703 | 28 | 7-257 | 9-232 | |
| 37429 | 13 | 24-222 | 21-570 | 37577 | 11 | 20-846 | 14-719 | | | | | 37704 | 20 | 9-264 | 9-866 | |
| 37430 | 8 | 24-336 | 21-811 | 37578 | 28 | 0-101 | 15-529 | | | | | 37705 | 14 | 9-964 | 9-273 | |
| 37431 | 10 | 25-652 | 21-410 | 37579 | 13 | 5-067 | 15-282 | | | | | 37706 | 13 | 13-255 | 9-566 | |
| 37432 | 10 | 0-403 | 22-036 | 37580 | 36 | 10-120 | 15-360 | | | | | 37707 | 31 | 13-312 | 9-800 | |
| 37433 | 20 | 7-756 | 22-828 | 37581 | 37 | 14-726 | 15-574 | | | | | 37708 | 25 | 17-178 | 9-156 | |
| 37434 | 31 | 11-550 | 22-600 | 37582 | 41 | 22-440 | 15-568 | | | | | 37709 | 8 | 20-512 | 9-458 | |
| 37435 | 31 | 12-937 | 22-892 | 37583 | 9 | 5-632 | 16-481 | | | | | 37710 | 40 | 20-519 | 9-204 | |
| 37436 | 9 | 13-196 | 22-750 | 37584 | 32 | 12-398 | 16-890 | | | | | 37711 | 30 | 21-606 | 9-522 | |
| 37437 | 18 | 17-361 | 22-804 | 37585 | 43 | 14-548 | 16-264 | | | | | 37712 | 12 | 2-603 | 10-168 | |
| 37438 | 33 | 18-269 | 22-917 | 37586 | 40 | 19-202 | 16-272 | | | | | 37713 | 12 | 4-560 | 10-722 | |
| 37439 | 15 | 20-414 | 22-320 | 37587 | 54 | 20-222 | 16-845 | | | | | 37714 | 40 | 7-704 | 10-614 | |
| 37440 | 9 | 20-425 | 22-679 | 37588 | 46 | 21-550 | 16-190 | | | | | 37715 | 19 | 8-390 | 10-781 | |
| 37441 | 12 | 21-681 | 22-730 | 37589 | 8 | 22-686 | 16-738 | | | | | 37716 | 32 | 9-538 | 10-118 | |
| 37442 | 10 | 8-175 | 23-645 | 37590 | 27 | 2-632 | 17-824 | | | | | 37717 | 27 | 1-563 | 11-152 | |
| 37443 | 23 | 10-714 | 23-686 | 37591 | 30 | 18-554 | 17-914 | | | | | 37718 | 8 | 1-951 | 11-705 | |
| 37444 | 14 | 14-710 | 23-224 | 37592 | 40 | 21-490 | 17-578 | | | | | 37719 | 17 | 14-973 | 11-198 | |
| 37445 | 23 | 15-070 | 23-856 | 37593 | 44 | 21-383 | 18-168 | | | | | 37720 | 9 | 17-373 | 11-148 | |
| 37446 | 8 | 16-441 | 23-255 | 37594 | 41 | 11-534 | 18-158 | | | | | 37721 | 12 | 23-718 | 11-055 | |
| 37447 | 21 | 24-200 | 23-617 | 37595 | 15 | 11-616 | 18-506 | | | | | 37722 | 22 | 24-294 | 11-792 | |
| 37448 | 18 | 0-874 | 24-815 | 37596 | 37 | 14-712 | 18-210 | | | | | 37723 | 8 | 25-454 | 11-469 | |
| 37449 | 29 | 9-254 | 24-334 | 37597 | 10 | 15-255 | 18-104 | | | | | 37724 | 13 | 0-160 | 12-746 | |
| 37450 | 13 | 12-976 | 24-396 | 37598 | 8 | 20-233 | 18-014 | | | | | 37725 | 9 | 4-022 | 12-247 | |
| 37451 | 8 | 16-549 | 24-425 | 37599 | 40 | 22-810 | 18-286 | | | | | 37726 | 10 | 10-004 | 12-724 | |
| 37452 | 28 | 18-098 | 24-187 | 37600 | 34 | 25-592 | 18-468 | | | | | 37727 | 16 | 25-798 | 12-815 | |
| 37453 | 36 | 20-834 | 24-248 | 37601 | 9 | 6-854 | 19-890 | | | | | 37728 | 12 | 3-139 | 13-008 | |
| 37454 | 18 | 25-479 | 24-620 | 37602 | 41 | 15-694 | 19-747 | | | | | 37729 | 8 | 15-537 | 13-948 | |
| 37455 | 32 | 9-074 | 25-928 | 37603 | 40 | 22-278 | 19-050 | | | | | 37730 | 18 | 19-808 | 13-098 | |
| 37456 | 48 | 12-210 | 25-180 | 37604 | 8 | 24-080 | 19-717 | | | | | 37731 | 10 | 25-270 | 13-892 | |
| 37457 | 22 | 12-706 | 25-538 | 37605 | 9 | 2-792 | 20-226 | | | | | 37732 | 8 | 1-500 | 14-700 | |
| 37458 | 8 | 13-164 | 25-834 | 37606 | 18 | 8-726 | 20-438 | | | | | 37733 | 10 | 8-354 | 14-702 | |
| 37459 | 54 | 13-600 | 25-530 | 37607 | 28 | 9-206 | 20-438 | | | | | 37734 | 12 | 8-581 | 14-550 | |
| 37460 | 13 | 14-181 | 25-490 | 37608 | 12 | 22-412 | 20-217 | | | | | 37735 | 12 | 0-156 | 15-243 | |
| 37461 | 40 | 22-214 | 25-064 | 37609 | 18 | 1-398 | 21-340 | | | | | 37736 | 38 | 0-461 | 15-740 | |
| | | | | 37610 | 11 | 2-200 | 21-508 | | | | | 37737 | 8 | 6-652 | 15-502 | |
| | | | | 37611 | 8 | 3-630 | 21-333 | | | | | 37738 | 16 | 7-187 | 15-184 | |
| | | | | 37612 | 38 | 4-510 | 21-082 | | | | | 37739 | 10 | 19-392 | 15-118 | |
| | | | | 37613 | 11 | 5-915 | 21-945 | | | | | 37740 | 14 | 13-530 | 15-848 | |
| | | | | 37614 | 14 | 7-062 | 21-350 | | | | | 37741 | 8 | 17-024 | 15-944 | |
| | | | | 37615 | 8 | 11-992 | 21-704 | | | | | 37742 | 13 | 21-088 | 15-488 | |
| | | | | 37616 | 28 | 15-862 | 21-028 | | | | | 37743 | 31 | 22-900 | 15-819 | |
| | | | | 37617 | 27 | 22-760 | 21-513 | | | | | 37744 | 9 | 0-240 | 16-764 | |
| | | | | 37618 | 35 | 23-254 | 21-810 | | | | | 37745 | 13 | 4-604 | 16-424 | |
| | | | | 37619 | 13 | 24-872 | 21-040 | | | | | 37746 | 27 | 9-474 | 16-208 | |
| | | | | 37620 | 52 | 25-505 | 21-524 | | | | | 37747 | 12 | 18-972 | 16-727 | |
| | | | | 37621 | 15 | 25-602 | 21-960 | | | | | 37748 | 35 | 20-120 | 16-932 | |
| | | | | 37622 | 8 | 23-125 | 22-594 | | | | | 37749 | 21 | 21-826 | 16-140 | |
| | | | | 37623 | 34 | 23-736 | 22-134 | | | | | 37750 | 39 | 22-968 | 16-454 | |
| | | | | 37624 | 9 | 2-037 | 23-406 | | | | | 37751 | 10 | 23-528 | 16-249 | |
| | | | | 37625 | 20 | 2-200 | 23-552 | | | | | 37752 | 9 | 11-063 | 17-742 | |
| | | | | 37626 | 9 | 6-467 | 23-334 | | | | | 37753 | 18 | 13-099 | 17-434 | |
| | | | | 37627 | 25 | 6-790 | 23-176 | | | | | 37754 | 9 | 13-648 | 17-542 | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|---------|---------|-------|----|---------|---------|-------|----|---------|---------|-------|----|---------|---------|-------|----|---------|---------|
| 37755 | 21 | 15° 974 | 17° 662 | 37827 | 9 | 13° 452 | 25° 972 | 37892 | 21 | 1° 325 | 8° 220 | 37964 | 8 | 24° 334 | 20° 464 | 38014 | 12 | 10° 755 | 2° 868 |
| 37756 | 9 | 18° 068 | 17° 372 | 37828 | 23 | 14° 414 | 25° 072 | 37893 | 12 | 3° 725 | 8° 190 | 37965 | 10 | 5° 759 | 21° 761 | 38015 | 10 | 12° 616 | 2° 348 |
| 37757 | 21 | 25° 948 | 17° 390 | 37829 | 14 | 15° 072 | 25° 921 | 37894 | 10 | 3° 810 | 8° 077 | 37966 | 14 | 10° 904 | 21° 744 | 38016 | 37 | 15° 974 | 2° 876 |
| 37758 | 36 | 0° 876 | 18° 452 | 37830 | 8 | 16° 067 | 25° 670 | 37895 | 59 | 9° 278 | 8° 466 | 37967 | 27 | 14° 390 | 21° 853 | 38017 | 37 | 17° 834 | 2° 948 |
| 37759 | 32 | 3° 662 | 18° 585 | 37831 | 14 | 20° 626 | 25° 873 | 37896 | 9 | 9° 989 | 8° 548 | 37968 | 13 | 15° 363 | 21° 620 | 38018 | 15 | 18° 810 | 2° 272 |
| 37760 | 8 | 9° 226 | 18° 709 | 37832 | 9 | 22° 200 | 25° 312 | 37897 | 25 | 12° 558 | 8° 048 | 37969 | 13 | 15° 363 | 21° 515 | 38019 | 13 | 19° 428 | 2° 768 |
| 37761 | 10 | 10° 503 | 18° 634 | 37833 | 32 | 24° 164 | 25° 978 | 37898 | 12 | 15° 015 | 8° 572 | 37970 | 12 | 17° 820 | 21° 926 | 38020 | 15 | 20° 605 | 2° 588 |
| 37762 | 13 | 16° 376 | 18° 008 | | | | | 37899 | 27 | 15° 361 | 8° 460 | 37971 | 10 | 19° 516 | 21° 972 | 38021 | 8 | 21° 763 | 2° 660 |
| 37763 | 8 | 20° 484 | 18° 557 | | | | | 37900 | 62 | 16° 574 | 9° 510 | 37972 | 9 | 21° 490 | 21° 894 | 38022 | 29 | 4° 832 | 3° 008 |
| 37764 | 10 | 22° 768 | 18° 093 | | | | | 37901 | 14 | 20° 369 | 9° 062 | 37973 | 38 | 24° 474 | 22° 260 | 38023 | 20 | 5° 374 | 3° 095 |
| 37765 | 41 | 0° 359 | 19° 222 | | | | | 37902 | 10 | 24° 212 | 9° 341 | 37974 | 26 | 6° 486 | 22° 175 | 38024 | 41 | 10° 886 | 3° 013 |
| 37766 | 12 | 2° 174 | 19° 858 | | | | | 37903 | 11 | 1° 585 | 10° 944 | 37975 | 18 | 13° 426 | 22° 776 | 38025 | 21 | 19° 534 | 3° 655 |
| 37767 | 42 | 5° 598 | 19° 043 | | | | | 37904 | 9 | 6° 732 | 10° 116 | 37976 | 18 | 16° 000 | 22° 786 | 38026 | 9 | 20° 686 | 3° 058 |
| 37768 | 9 | 5° 840 | 19° 208 | | | | | 37905 | 58 | 13° 706 | 10° 010 | 37977 | 24 | 18° 637 | 22° 589 | 38027 | 14 | 21° 441 | 3° 376 |
| 37769 | 11 | 6° 164 | 19° 418 | | | | | 37906 | 12 | 23° 258 | 10° 214 | 37978 | 40 | 18° 047 | 22° 600 | 38028 | 12 | 5° 369 | 4° 586 |
| 37770 | 8 | 6° 978 | 19° 338 | | | | | 37907 | 12 | 2° 164 | 11° 676 | 37979 | 11 | 22° 042 | 22° 356 | 38029 | 9 | 6° 967 | 4° 744 |
| 37771 | 21 | 7° 944 | 19° 150 | | | | | 37908 | 10 | 8° 548 | 11° 853 | 37980 | 10 | 0° 216 | 23° 620 | 38030 | 11 | 13° 775 | 4° 947 |
| 37772 | 31 | 9° 294 | 19° 042 | | | | | 37909 | 13 | 13° 524 | 11° 145 | 37981 | 13 | 6° 820 | 23° 388 | 38031 | 20 | 16° 350 | 4° 975 |
| 37773 | 20 | 11° 458 | 19° 051 | | | | | 37910 | 24 | 15° 541 | 11° 094 | 37982 | 15 | 10° 590 | 23° 710 | 38032 | 20 | 18° 928 | 4° 074 |
| 37774 | 28 | 15° 518 | 19° 803 | | | | | 37911 | 10 | 19° 796 | 11° 650 | 37983 | 14 | 14° 016 | 23° 012 | 38033 | 37 | 21° 237 | 4° 682 |
| 37775 | 31 | 16° 547 | 19° 582 | | | | | 37912 | 22 | 25° 739 | 11° 160 | 37984 | 10 | 20° 145 | 23° 649 | 38034 | 38 | 7° 238 | 5° 996 |
| 37776 | 14 | 18° 793 | 19° 748 | | | | | 37913 | 12 | 3° 678 | 12° 090 | 37985 | 17 | 20° 468 | 23° 942 | 38035 | 21 | 10° 184 | 5° 196 |
| 37777 | 29 | 23° 411 | 19° 494 | | | | | 37914 | 10 | 5° 132 | 12° 052 | 37986 | 34 | 0° 578 | 24° 838 | 38036 | 33 | 10° 650 | 5° 438 |
| 37778 | 28 | 24° 416 | 19° 646 | | | | | 37915 | 70 | 9° 732 | 12° 503 | 37987 | 18 | 1° 956 | 24° 406 | 38037 | 9 | 12° 335 | 5° 602 |
| 37779 | 13 | 0° 516 | 20° 386 | | | | | 37916 | 25 | 9° 814 | 12° 116 | 37988 | 13 | 15° 310 | 24° 435 | 38038 | 24 | 20° 360 | 5° 000 |
| 37780 | 31 | 21° 098 | 20° 470 | | | | | 37917 | 46 | 12° 048 | 12° 240 | 37989 | 13 | 16° 778 | 24° 837 | 38039 | 33 | 22° 504 | 5° 995 |
| 37781 | 28 | 21° 229 | 20° 711 | | | | | 37918 | 27 | 12° 460 | 12° 580 | 37990 | 8 | 21° 903 | 24° 950 | 38040 | 13 | 3° 732 | 6° 006 |
| 37782 | 8 | 21° 437 | 20° 020 | | | | | 37919 | 8 | 7° 776 | 13° 826 | 37991 | 35 | 2° 133 | 25° 860 | 38041 | 30 | 4° 952 | 6° 560 |
| 37783 | 44 | 22° 656 | 20° 347 | | | | | 37920 | 11 | 21° 682 | 13° 756 | 37992 | 11 | 6° 842 | 25° 546 | 38042 | 11 | 8° 300 | 6° 640 |
| 37784 | 27 | 0° 881 | 21° 676 | | | | | 37921 | 8 | 25° 537 | 14° 876 | 37993 | 11 | 8° 150 | 25° 590 | 38043 | 22 | 10° 386 | 6° 935 |
| 37785 | 32 | 1° 381 | 21° 962 | | | | | 37922 | 25 | 0° 709 | 15° 712 | 37994 | 29 | 8° 326 | 25° 940 | 38044 | 20 | 11° 074 | 6° 323 |
| 37786 | 21 | 2° 986 | 21° 168 | | | | | 37923 | 22 | 7° 854 | 15° 961 | 37995 | 10 | 9° 892 | 25° 634 | 38045 | 18 | 11° 838 | 6° 308 |
| 37787 | 52 | 3° 624 | 21° 641 | | | | | 37924 | 24 | 12° 694 | 15° 015 | 37996 | 8 | 15° 784 | 25° 526 | 38046 | 10 | 15° 942 | 6° 088 |
| 37788 | 8 | 4° 424 | 21° 967 | | | | | 37925 | 10 | 12° 700 | 15° 518 | 37997 | 16 | 18° 779 | 25° 900 | 38047 | 17 | 19° 930 | 6° 152 |
| 37789 | 8 | 7° 140 | 21° 126 | | | | | 37926 | 10 | 22° 760 | 15° 027 | 37998 | 19 | 21° 794 | 25° 798 | 38048 | 15 | 21° 786 | 6° 328 |
| 37790 | 19 | 11° 182 | 21° 042 | | | | | 37927 | 38 | 0° 868 | 16° 346 | | | | | 38049 | 10 | 25° 767 | 6° 512 |
| 37791 | 15 | 14° 766 | 21° 332 | | | | | 37928 | 10 | 1° 428 | 16° 138 | | | | | 38050 | 10 | 1° 982 | 7° 626 |
| 37792 | 13 | 16° 788 | 21° 688 | | | | | 37929 | 9 | 8° 348 | 16° 484 | | | | | 38051 | 16 | 2° 682 | 7° 504 |
| 37793 | 12 | 17° 810 | 21° 507 | | | | | 37930 | 23 | 8° 539 | 16° 430 | | | | | 38052 | 13 | 6° 665 | 7° 340 |
| 37794 | 39 | 20° 026 | 21° 850 | | | | | 37931 | 14 | 10° 211 | 16° 902 | | | | | 38053 | 25 | 6° 604 | 7° 624 |
| 37795 | 9 | 20° 743 | 21° 970 | | | | | 37932 | 25 | 10° 666 | 16° 807 | | | | | 38054 | 15 | 8° 525 | 7° 542 |
| 37796 | 17 | 20° 756 | 21° 800 | | | | | 37933 | 40 | 12° 114 | 16° 007 | | | | | 38055 | 11 | 12° 714 | 7° 514 |
| 37797 | 12 | 21° 267 | 22° 748 | | | | | 37934 | 10 | 12° 886 | 16° 854 | | | | | 38056 | 10 | 12° 756 | 7° 550 |
| 37798 | 34 | 1° 872 | 22° 277 | | | | | 37935 | 8 | 3° 810 | 17° 444 | | | | | 38057 | 11 | 16° 028 | 7° 390 |
| 37799 | 27 | 3° 734 | 22° 075 | | | | | 37936 | 14 | 3° 857 | 17° 262 | | | | | 38058 | 20 | 16° 126 | 7° 334 |
| 37800 | 11 | 5° 682 | 22° 749 | | | | | 37937 | 12 | 5° 516 | 17° 305 | | | | | 38059 | 15 | 19° 156 | 7° 352 |
| 37801 | 32 | 6° 887 | 22° 758 | | | | | 37938 | 10 | 5° 590 | 17° 784 | | | | | 38060 | 13 | 22° 764 | 7° 180 |
| 37802 | 14 | 7° 143 | 22° 878 | | | | | 37939 | 14 | 8° 056 | 17° 546 | | | | | 38061 | 20 | 23° 810 | 7° 432 |
| 37803 | 10 | 14° 184 | 22° 358 | | | | | 37940 | 9 | 11° 291 | 17° 757 | | | | | 38062 | 20 | 24° 498 | 7° 382 |
| 37804 | 15 | 18° 704 | 22° 444 | | | | | 37941 | 37 | 18° 279 | 17° 292 | | | | | 38063 | 17 | 5° 004 | 8° 200 |
| 37805 | 10 | 19° 822 | 22° 298 | | | | | 37942 | 51 | 18° 355 | 17° 112 | | | | | 38064 | 20 | 8° 275 | 8° 646 |
| 37806 | 8 | 22° 496 | 22° 662 | | | | | 37943 | 15 | 4° 824 | 18° 511 | | | | | 38065 | 8 | 8° 481 | 8° 506 |
| 37807 | 36 | 24° 530 | 22° 380 | | | | | 37944 | 11 | 6° 403 | 18° 107 | | | | | 38066 | 8 | 11° 152 | 8° 564 |
| 37808 | 15 | 4° 972 | 23° 337 | | | | | 37945 | 21 | 7° 531 | 18° 014 | | | | | 38067 | 10 | 11° 391 | 8° 096 |
| 37809 | 53 | 8° 725 | 23° 062 | | | | | 37946 | 51 | 8° 688 | 18° 545 | | | | | 38068 | 11 | 13° 556 | 8° 260 |
| 37810 | 21 | 10° 794 | 23° 720 | | | | | 37947 | 45 | 11° 576 | 18° 356 | | | | | 38069 | 11 | 19° 234 | 8° 820 |
| 37811 | 25 | 14° 435 | 23° 422 | | | | | 37948 | 14 | 11° 576 | 18° 049 | | | | | 38070 | 16 | 21° 516 | 8° 812 |
| 37812 | 8 | 14° 461 | 23° 071 | | | | | 37949 | 15 | 17° 818 | 18° 368 | | | | | 38071 | 10 | 21° 653 | 8° 475 |
| 37813 | 8 | 14° 528 | 23° 064 | | | | | 37950 | 20 | 21° 354 | 18° 707 | | | | | 38072 | 8 | 22° 880 | 8° 603 |
| 37814 | 9 | 15° 314 | 23° 049 | | | | | 37951 | 22 | 1° 334 | 19° 384 | | | | | 38073 | 10 | 1° 970 | 9° 592 |
| 37815 | 10 | 22° 116 | 23° 102 | | | | | 37952 | 17 | 2° 340 | 19° 527 | | | | | 38074 | 20 | 7° 826 | 9° 674 |
| 37816 | 22 | 22° 264 | 23° 720 | | | | | 37953 | 12 | 16° 355 | 19° 590 | | | | | 38075 | 10 | 8° 984 | 9° 945 |
| 37817 | 8 | 3° 314 | 24° 048 | | | | | 37954 | 11 | 24° 376 | 19° 266 | | | | | 38076 | 15 | 1° 031 | 10° 476 |
| 37818 | 21 | 4° 950 | 24° 841 | | | | | 37955 | 46 | 0° 582 | 20° 242 | | | | | 38077 | 15 | 3° 052 | 10° 083 |
| 37819 | 10 | 6° 564 | 24° 820 | | | | | 37956 | 11 | 5° 492 | 20° 071 | | | | | 38078 | 9 | 4° 983 | 10° 828 |
| 37820 | 16 | 8° 966 | 24° 366 | | | | | 37957 | 14 | 8° 129 | 20° 544 | | | | | 38079 | 8 | 5° 393 | 10° 200 |
| 37821 | 10 | 13° 614 | 24° 402 | | | | | 37958 | 24 | 8° 133 | 20° 498 | | | | | 38080 | 10 | 7° 046 | 10° 295 |
| 37822 | 18 | 15° 154 | 24° 878 | | | | | 37959 | 20 | 11° 820 | 20° 839 | | | | | 38081 | 10 | 12° 227 | 10° 402 |
| 37823 | 27 | 18° 608 | 24° 218 | | | | | 37960 | 9 | 14° 207 | 20° 815 | | | | | 38082 | 10 | 16° 373 | 10° 876 |
| 37824 | 36 | 22° 618 | 24° 942 | | | | | 37961 | 10 | 19° 324 | 20° 593 | | | | | 38083 | 12 | 19° 816 | 10° 936 |
| 37825 | 12 | 23° 996 | 25° 520 | | | | | 37962 | 12 | 19° 499 | 20° 010 | | | | | 3808 | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|---------|---------|-------|----|---------|---------|-------|----|---------|--------|-------|-----|---------|---------|-------|----|---------|---------|
| 38086 | 24 | 3°52'5 | 11°30'6 | 38158 | 10 | 23°36'4 | 19°51'6 | 38255 | 10 | 8°03'4 | 0°46'8 | 38327 | 12 | 24°21'4 | 10°34'2 | 39399 | 12 | 4°30'6 | 22°79'4 |
| 38087 | 13 | 17°77'4 | 11°22'5 | 38159 | 10 | 24°05'6 | 19°34'7 | 38256 | 44 | 9°04'5 | 0°50'3 | 38328 | 23 | 5°09'0 | 11°18'8 | 38400 | 15 | 6°05'0 | 22°81'2 |
| 38088 | 11 | 4°02'8 | 12°35'1 | 38160 | 24 | 25°35'5 | 19°29'7 | 38257 | 15 | 10°88'6 | 0°02'1 | 38329 | 36 | 8°28'4 | 11°83'4 | 38401 | 27 | 6°88'4 | 22°36'7 |
| 38089 | 24 | 6°86'0 | 12°09'0 | 38161 | 12 | 2°20'1 | 20°71'0 | 38258 | 21 | 14°15'7 | 0°46'8 | 38330 | 30 | 12°08'2 | 11°09'1 | 38402 | 15 | 11°85'3 | 22°15'8 |
| 38090 | 53 | 7°16'4 | 12°08'2 | 38162 | 10 | 8°52'2 | 20°51'8 | 38259 | 8 | 14°73'4 | 0°50'8 | 38331 | 30 | 14°42'0 | 11°24'4 | 38403 | 22 | 13°87'1 | 22°06'6 |
| 38091 | 19 | 8°40'4 | 12°55'5 | 38163 | 12 | 13°64'2 | 20°14'4 | 38260 | 16 | 15°40'6 | 0°70'2 | 38332 | 32 | 16°77'6 | 11°74'7 | 38404 | 20 | 14°53'2 | 22°26'9 |
| 38092 | 10 | 9°91'0 | 12°50'5 | 38164 | 25 | 16°54'2 | 20°35'9 | 38261 | 44 | 21°81'5 | 0°08'4 | 38333 | 20 | 1°28'4 | 12°97'4 | 38405 | 23 | 18°73'7 | 22°87'6 |
| 38093 | 13 | 12°22'6 | 12°43'6 | 38165 | 9 | 21°80'0 | 20°42'2 | 38262 | 8 | 0°58'8 | 1°73'7 | 38334 | 40 | 3°04'5 | 12°78'3 | 38406 | 10 | 19°56'8 | 22°51'4 |
| 38094 | 9 | 10°31'6 | 12°45'3 | 38166 | 13 | 23°53'9 | 20°77'8 | 38263 | 37 | 6°62'7 | 1°41'8 | 38335 | 8 | 11°18'2 | 12°92'8 | 38407 | 15 | 25°37'6 | 22°62'9 |
| 38095 | 13 | 19°00'6 | 12°31'0 | 38167 | 10 | 1°12'6 | 21°25'4 | 38264 | 30 | 6°67'4 | 1°00'7 | 38336 | 11 | 13°85'6 | 12°34'2 | 38408 | 34 | 0°07'4 | 23°78'2 |
| 38096 | 33 | 20°32'2 | 12°57'7 | 38168 | 18 | 1°36'8 | 21°02'3 | 38265 | 33 | 12°62'6 | 1°08'1 | 38337 | 8 | 15°80'6 | 12°84'8 | 38409 | 34 | 6°38'8 | 23°81'0 |
| 38097 | 15 | 23°36'0 | 12°91'4 | 38169 | 42 | 6°93'3 | 21°41'3 | 38266 | 14 | 14°37'4 | 1°01'8 | 38338 | 30 | 23°46'2 | 12°04'4 | 38410 | 9 | 7°41'9 | 23°58'8 |
| 38098 | 40 | 25°12'6 | 12°74'4 | 38170 | 10 | 8°18'8 | 21°25'0 | 38267 | 12 | 25°97'6 | 1°86'8 | 38339 | 27 | 4°31'2 | 13°78'2 | 38411 | 17 | 16°05'6 | 23°86'4 |
| 38099 | 12 | 5°49'9 | 13°22'2 | 38171 | 13 | 18°47'7 | 21°05'9 | 38268 | 33 | 4°50'2 | 2°28'8 | 38340 | 12 | 6°97'7 | 13°50'0 | 38412 | 13 | 17°65'4 | 23°40'7 |
| 38100 | 14 | 0°26'0 | 13°25'9 | 38172 | 14 | 24°14'4 | 21°09'4 | 38269 | 10 | 8°21'6 | 2°41'5 | 38341 | 10 | 10°35'6 | 13°08'2 | 38413 | 19 | 9°80'0 | 24°09'6 |
| 38101 | 11 | 12°36'1 | 13°31'3 | 38173 | 21 | 5°51'2 | 22°18'6 | 38270 | 10 | 14°50'2 | 2°68'0 | 38342 | 8 | 17°46'0 | 13°02'0 | 38414 | 46 | 13°66'9 | 24°86'2 |
| 38102 | 17 | 13°53'0 | 13°63'8 | 38174 | 12 | 12°23'0 | 22°82'6 | 38271 | 14 | 18°30'7 | 2°16'3 | 38343 | 12 | 22°42'8 | 13°40'8 | 38415 | 10 | 16°70'2 | 24°61'6 |
| 38103 | 15 | 14°40'8 | 13°10'3 | 38175 | 16 | 12°35'0 | 22°17'4 | 38272 | 11 | 23°68'3 | 2°21'1 | 38344 | 39 | 7°06'1 | 14°27'1 | 38416 | 16 | 22°32'1 | 24°15'0 |
| 38104 | 10 | 14°00'6 | 13°34'1 | 38176 | 15 | 12°96'5 | 22°77'2 | 38273 | 38 | 10°06'1 | 3°62'7 | 38345 | 48 | 11°45'1 | 14°47'2 | 38417 | 8 | 8°08'8 | 25°89'0 |
| 38105 | 16 | 21°73'3 | 13°43'0 | 38177 | 13 | 13°30'1 | 22°10'0 | 38274 | 8 | 11°92'0 | 3°03'5 | 38346 | 100 | 14°51'2 | 14°83'2 | 38418 | 15 | 8°05'8 | 25°68'4 |
| 38106 | 9 | 7°36'3 | 14°74'3 | 38178 | 16 | 14°43'2 | 22°02'6 | 38275 | 8 | 13°40'8 | 3°79'1 | 38347 | 13 | 17°91'0 | 14°03'4 | 38419 | 12 | 12°15'0 | 25°14'3 |
| 38107 | 25 | 10°68'2 | 14°07'2 | 38179 | 10 | 21°78'0 | 22°62'7 | 38276 | 12 | 14°01'2 | 3°69'7 | 38348 | 8 | 18°08'3 | 14°01'7 | 38420 | 20 | 13°61'0 | 25°06'4 |
| 38108 | 11 | 10°04'4 | 14°77'0 | 38180 | 15 | 4°34'9 | 23°45'8 | 38277 | 11 | 24°03'6 | 3°55'3 | 38349 | 17 | 0°09'2 | 15°45'8 | 38421 | 18 | 17°71'5 | 25°53'0 |
| 38109 | 10 | 10°06'3 | 14°53'1 | 38181 | 35 | 5°99'0 | 23°72'4 | 38278 | 8 | 7°43'4 | 4°10'8 | 38350 | 10 | 5°34'0 | 15°52'8 | 38422 | 31 | 21°51'4 | 25°49'8 |
| 38110 | 8 | 18°15'0 | 14°00'8 | 38182 | 27 | 10°60'5 | 23°40'1 | 38279 | 17 | 9°45'4 | 4°78'8 | 38351 | 9 | 5°45'4 | 15°05'2 | 38423 | 12 | 21°57'0 | 25°26'0 |
| 38111 | 14 | 20°01'0 | 14°56'9 | 38183 | 11 | 11°04'0 | 23°46'4 | 38280 | 17 | 14°77'4 | 4°74'2 | 38352 | 9 | 12°89'0 | 15°32'4 | 38424 | 10 | 24°11'4 | 25°73'8 |
| 38112 | 9 | 23°37'8 | 14°06'3 | 38184 | 10 | 12°18'4 | 23°18'9 | 38281 | 22 | 15°64'0 | 4°02'9 | 38353 | 12 | 18°97'6 | 15°71'2 | | | | |
| 38113 | 10 | 6°45'2 | 15°58'8 | 38185 | 40 | 11°93'1 | 23°62'0 | 38282 | 9 | 15°95'4 | 4°56'5 | 38354 | 26 | 22°45'4 | 15°50'6 | | | | |
| 38114 | 92 | 13°26'6 | 15°26'4 | 38186 | 10 | 16°49'0 | 23°96'5 | 38283 | 33 | 16°97'7 | 4°40'8 | 38355 | 29 | 1°05'4 | 16°83'3 | | | | |
| 38115 | 8 | 14°55'0 | 15°92'6 | 38187 | 11 | 19°41'2 | 23°49'0 | 38284 | 44 | 19°14'8 | 4°41'2 | 38356 | 13 | 4°48'4 | 16°30'0 | | | | |
| 38116 | 12 | 15°03'6 | 15°76'6 | 38188 | 45 | 20°07'4 | 23°12'2 | 38285 | 15 | 19°18'0 | 4°91'3 | 38357 | 13 | 7°79'2 | 16°46'2 | | | | |
| 38117 | 14 | 15°70'6 | 15°23'6 | 38189 | 80 | 20°43'0 | 23°83'6 | 38286 | 12 | 21°26'8 | 4°09'7 | 38358 | 8 | 10°26'6 | 16°73'4 | | | | |
| 38118 | 16 | 22°14'2 | 15°38'4 | 38190 | 12 | 21°38'6 | 23°80'4 | 38287 | 24 | 24°73'2 | 4°51'0 | 38359 | 23 | 15°46'2 | 16°39'8 | | | | |
| 38119 | 8 | 22°41'9 | 15°36'4 | 38191 | 33 | 22°02'9 | 23°70'8 | 38288 | 14 | 5°77'5 | 5°32'8 | 38360 | 12 | 20°01'0 | 16°14'0 | | | | |
| 38120 | 15 | 0°61'6 | 16°19'4 | 38192 | 12 | 2°41'6 | 24°78'4 | 38289 | 9 | 15°84'0 | 5°70'0 | 38361 | 11 | 22°09'4 | 16°23'3 | | | | |
| 38121 | 9 | 3°22'5 | 16°46'5 | 38193 | 14 | 8°25'4 | 24°81'3 | 38290 | 20 | 16°48'6 | 5°16'6 | 38362 | 11 | 22°74'4 | 16°35'0 | | | | |
| 38122 | 24 | 8°10'6 | 16°22'0 | 38194 | 20 | 15°25'0 | 24°35'2 | 38291 | 12 | 18°04'0 | 5°22'2 | 38363 | 37 | 22°91'8 | 16°64'2 | | | | |
| 38123 | 24 | 11°79'0 | 16°40'2 | 38195 | 16 | 4°45'4 | 25°17'1 | 38292 | 31 | 20°38'6 | 5°08'8 | 38364 | 14 | 0°88'4 | 17°26'8 | | | | |
| 38124 | 42 | 11°89'8 | 16°06'5 | 38196 | 10 | 6°53'6 | 25°09'7 | 38293 | 10 | 20°53'7 | 5°48'0 | 38365 | 19 | 8°72'0 | 17°48'0 | | | | |
| 38125 | 14 | 14°07'4 | 16°26'8 | 38197 | 11 | 6°90'0 | 25°59'6 | 38294 | 8 | 21°81'0 | 5°89'7 | 38366 | 18 | 10°14'8 | 17°71'1 | | | | |
| 38126 | 10 | 14°65'8 | 16°26'2 | 38198 | 13 | 9°12'5 | 25°47'5 | 38295 | 37 | 0°34'6 | 6°06'7 | 38367 | 20 | 14°73'8 | 17°25'4 | | | | |
| 38127 | 24 | 18°08'5 | 16°04'0 | 38199 | 8 | 12°54'6 | 25°59'4 | 38296 | 10 | 14°67'3 | 6°35'0 | 38368 | 14 | 15°29'2 | 17°81'4 | | | | |
| 38128 | 32 | 23°08'8 | 16°77'0 | 38200 | 13 | 12°80'4 | 25°10'4 | 38297 | 13 | 17°39'4 | 6°26'6 | 38369 | 38 | 21°88'4 | 17°17'7 | | | | |
| 38129 | 28 | 4°20'6 | 17°34'2 | 38201 | 11 | 13°00'6 | 25°51'0 | 38298 | 41 | 20°45'0 | 6°73'9 | 38370 | 22 | 22°74'0 | 17°42'0 | | | | |
| 38130 | 15 | 7°00'6 | 17°32'1 | 38202 | 10 | 17°44'8 | 25°29'1 | 38299 | 15 | 22°35'8 | 6°04'2 | 38371 | 11 | 24°40'6 | 17°18'0 | | | | |
| 38131 | 10 | 15°84'0 | 17°09'5 | 38203 | 11 | 20°10'7 | 25°09'2 | 38300 | 17 | 22°82'2 | 6°21'9 | 38372 | 40 | 1°80'2 | 18°65'4 | | | | |
| 38132 | 8 | 18°06'9 | 17°33'4 | | | | | 38301 | 12 | 0°64'4 | 7°24'8 | 38373 | 32 | 5°23'4 | 18°34'0 | | | | |
| 38133 | 13 | 18°54'4 | 17°70'8 | | | | | 38302 | 20 | 1°66'8 | 7°48'8 | 38374 | 31 | 12°43'0 | 18°94'4 | | | | |
| 38134 | 9 | 19°59'0 | 17°49'0 | | | | | 38303 | 20 | 2°35'7 | 7°43'2 | 38375 | 16 | 22°01'9 | 18°81'0 | | | | |
| 38135 | 22 | 21°20'8 | 17°93'4 | | | | | 38304 | 10 | 4°52'5 | 7°65'0 | 38376 | 20 | 25°57'0 | 18°08'8 | | | | |
| 38136 | 13 | 22°01'2 | 17°20'0 | | | | | 38305 | 8 | 5°27'8 | 7°57'4 | 38377 | 49 | 25°89'8 | 18°52'1 | | | | |
| 38137 | 11 | 23°78'6 | 17°23'6 | | | | | 38306 | 32 | 10°58'2 | 7°52'1 | 38378 | 12 | 0°63'8 | 19°51'0 | | | | |
| 38138 | 14 | 6°73'8 | 18°48'6 | | | | | 38307 | 13 | 14°08'0 | 7°08'8 | 38379 | 9 | 2°05'2 | 19°39'8 | | | | |
| 38139 | 8 | 8°66'6 | 18°51'6 | | | | | 38308 | 24 | 15°01'4 | 7°36'2 | 38380 | 30 | 3°34'9 | 19°33'7 | | | | |
| 38140 | 12 | 10°47'0 | 18°36'0 | | | | | 38309 | 12 | 19°47'4 | 7°41'0 | 38381 | 15 | 4°25'5 | 19°93'8 | | | | |
| 38141 | 11 | 13°01'4 | 18°40'2 | | | | | 38310 | 8 | 21°90'3 | 7°25'0 | 38382 | 12 | 11°95'0 | 19°22'2 | | | | |
| 38142 | 14 | 15°40'6 | 18°05'2 | | | | | 38311 | 44 | 7°90'4 | 8°77'5 | 38383 | 10 | 14°20'0 | 19°01'1 | | | | |
| 38143 | 9 | 19°82'2 | 18°84'6 | | | | | 38312 | 8 | 15°12'1 | 8°84'2 | 38384 | 14 | 16°58'8 | 19°13'0 | | | | |
| 38144 | 10 | 20°61'4 | 18°65'7 | | | | | 38313 | 33 | 18°61'8 | 8°23'6 | 38385 | 10 | 16°89'7 | 19°69'3 | | | | |
| 38145 | 20 | 21°28'6 | 18°93'9 | | | | | 38314 | 17 | 22°79'4 | 8°42'7 | 38386 | 9 | 18°90'4 | 19°57'6 | | | | |
| 38146 | 23 | 21°07'7 | 18°32'8 | | | | | 38315 | 9 | 25°43'0 | 8°20'4 | 38387 | 55 | 24°72'2 | 19°34'0 | | | | |
| 38147 | 38 | 23°82'0 | 18°60'0 | | | | | 38316 | 12 | 4°53'6 | 9°73'8 | 38388 | 15 | 1°55'0 | 20°83'8 | | | | |
| 38148 | 10 | 1°86'2 | 19°83'8 | | | | | 38317 | 8 | 5°51'2 | 9°67'2 | 38389 | 9 | 3°78'8 | 20°63'0 | | | | |
| 38149 | 12 | 2°28'0 | 19°45'1 | | | | | 38318 | 15 | 10°99'4 | 9°55'0 | 38390 | 28 | 6°54'7 | 20°89'2 | | | | |
| 38150 | 12 | 5°16'8 | 19°86'2 | | | | | 38319 | 8 | 21°72'6 | 9°66'3 | 38391 | 10 | 16°74'2 | 20°90'4 | | | | |
| 38151 | 11 | 13°07'8 | 19°88'6 | | | | | 38320 | 9 | 21°70'7 | 9°23'0 | 38392 | 15 | 17°16'9 | 20°65'0 | | | | |

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Plate 1028; 1917 April 16.

Provisional Constants.

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D E F
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Plate 1031; 1917 April 17

Provisional Constants.

A B C
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38825 18 2-134 5-554

38826 13 6-156 5-514

38827 11 7-700 5-040

38828 15 12-221 5-054

38829 50 15-795 5-901

38830 15 19-998 5-966

38831 15 17-714 5-029

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38833 19 6-409 6-352

38834 46 13-144 6-258

38835 15 17-085 6-610

38836 56 19-750 6-902

38837 24 20-334 6-716

38838 62 6-422 7-450

38839 13 17-470 7-172

38840 17 23-461 7-896

38841 12 23-872 7-889

| | | | | | | | | | | | | | | | | | | | |
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| 38843 | 21 | 10-750 | 8-046 | 38915 | 36 | 0-211 | 22-534 | 38978 | 12 | 10-324 | 4-144 | 39050 | 17 | 20-340 | 13-236 | 39122 | 32 | 2-038 | 23-788 |
| 38844 | 13 | 23-106 | 8-405 | 38916 | 14 | 9-784 | 22-551 | 38979 | 30 | 10-554 | 4-227 | 39051 | 12 | 21-066 | 13-846 | 39123 | 15 | 5-878 | 23-746 |
| 38845 | 22 | 0-251 | 9-438 | 38917 | 16 | 13-780 | 22-284 | 38980 | 33 | 10-849 | 4-112 | 39052 | 8 | 23-623 | 13-486 | 39124 | 10 | 12-450 | 23-994 |
| 38846 | 17 | 9-125 | 9-524 | 38918 | 12 | 22-689 | 22-689 | 38981 | 10 | 12-844 | 4-350 | 39053 | 12 | 1-895 | 14-148 | 39125 | 8 | 15-473 | 23-927 |
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| 38849 | 12 | 16-221 | 9-536 | 38921 | 16 | 5-482 | 23-400 | 38984 | 8 | 20-581 | 4-558 | 39056 | 31 | 24-048 | 14-760 | 39128 | 23 | 9-011 | 24-642 |
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| 38862 | 13 | 22-611 | 11-304 | 38934 | 37 | 3-860 | 25-880 | 38997 | 10 | 16-243 | 6-840 | 39069 | 8 | 9-500 | 16-832 | 39141 | 15 | 13-308 | 25-122 |
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| 38868 | 15 | 19-582 | 13-038 | | | | | 39003 | 12 | 1-710 | 7-772 | 39075 | 8 | 12-899 | 17-572 | | | | |
| 38869 | 15 | 20-202 | 13-588 | | | | | 39004 | 8 | 6-454 | 7-129 | 39076 | 29 | 13-898 | 17-600 | | | | |
| 38870 | 25 | 2-593 | 14-827 | | | | | 39005 | 11 | 7-957 | 7-880 | 39077 | 91 | 15-073 | 17-242 | | | | |
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| 38873 | 56 | 3-302 | 15-634 | | | | | 39008 | 8 | 22-665 | 7-148 | 39080 | 14 | 24-774 | 17-708 | | | | |
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| 38875 | 14 | 13-650 | 15-806 | | | | | 39010 | 11 | 0-944 | 8-298 | 39082 | 18 | 25-968 | 17-464 | | | | |
| 38876 | 15 | 17-390 | 15-500 | | | | | 39011 | 16 | 10-740 | 8-866 | 39083 | 19 | 4-714 | 18-060 | | | | |
| 38877 | 40 | 23-342 | 15-154 | | | | | 39012 | 11 | 11-323 | 8-419 | 39084 | 9 | 8-762 | 18-468 | | | | |
| 38878 | 13 | 25-881 | 15-608 | | | | | 39013 | 11 | 11-606 | 8-310 | 39085 | 10 | 17-183 | 18-095 | | | | |
| 38879 | 13 | 7-218 | 16-417 | | | | | 39014 | 8 | 17-776 | 8-250 | 39086 | 20 | 17-358 | 18-780 | | | | |
| 38880 | 13 | 9-146 | 16-074 | | | | | 39015 | 39 | 17-912 | 8-683 | 39087 | 29 | 18-103 | 18-691 | | | | |
| 38881 | 19 | 12-073 | 16-512 | | | | | 39016 | 14 | 23-732 | 8-807 | 39088 | 13 | 22-012 | 18-276 | | | | |
| 38882 | 12 | 15-684 | 16-088 | | | | | 39017 | 17 | 5-892 | 9-156 | 39089 | 31 | 22-050 | 18-983 | | | | |
| 38883 | 36 | 19-894 | 16-396 | | | | | 39018 | 24 | 7-676 | 9-902 | 39090 | 9 | 25-042 | 18-160 | | | | |
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| 38885 | 17 | 1-388 | 17-074 | | | | | 39020 | 8 | 10-878 | 9-632 | 39092 | 64 | 2-198 | 19-507 | | | | |
| 38886 | 30 | 5-556 | 17-075 | | | | | 39021 | 8 | 13-110 | 9-184 | 39093 | 18 | 3-302 | 19-178 | | | | |
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| 38888 | 20 | 4-640 | 18-791 | | | | | 39023 | 23 | 21-162 | 9-475 | 39095 | 14 | 9-216 | 19-630 | | | | |
| 38889 | 20 | 13-339 | 18-205 | | | | | 39024 | 12 | 22-992 | 9-090 | 39096 | 12 | 10-630 | 19-304 | | | | |
| 38890 | 46 | 15-772 | 18-881 | | | | | 39025 | 18 | 3-770 | 10-668 | 39097 | 13 | 12-264 | 19-494 | | | | |
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| 38894 | 32 | 3-815 | 19-476 | | | | | 39029 | 9 | 22-086 | 10-039 | 39101 | 11 | 1-242 | 20-386 | | | | |
| 38895 | 18 | 5-023 | 19-756 | | | | | 39030 | 12 | 4-573 | 11-597 | 39102 | 9 | 6-166 | 20-078 | | | | |
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| 38898 | 17 | 23-386 | 19-476 | | | | | 39033 | 12 | 9-421 | 11-484 | 39105 | 14 | 11-547 | 20-792 | | | | |
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| 38900 | 18 | 25-371 | 19-308 | | | | | 39035 | 19 | 10-430 | 11-980 | 39107 | 28 | 13-872 | 20-634 | | | | |
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| 38904 | 13 | 23-522 | 20-262 | | | | | 39039 | 22 | 9-230 | 12-910 | 39111 | 32 | 3-244 | 21-045 | | | | |
| 38905 | 13 | 4-612 | 21-745 | | | | | 39040 | 11 | 12-558 | 12-712 | 39112 | 24 | 7-760 | 21-688 | | | | |
| 38906 | 20 | 7-318 | 21-076 | | | | | 39041 | 15 | 13-178 | 12-249 | 39113 | 9 | 8-811 | 21-776 | | | | |
| 38907 | 18 | 10-132 | 21-621 | | | | | 39042 | 8 | 14-394 | 12-356 | 39114 | 12 | 11-279 | 21-064 | | | | |
| 38908 | 13 | 17-541 | 21-846 | | | | | 39043 | 11 | 14-918 | 12-776 | 39115 | 33 | 12-834 | 21-188 | | | | |
| 38909 | 19 | 17-606 | 21-744 | | | | | 39044 | 14 | 19-422 | 12-652 | 39116 | 18 | 15-654 | 21-292 | | | | |
| 38910 | 26 | 18-706 | 21-258 | | | | | 39045 | 20 | 23-917 | 12-560 | 39117 | 9 | 0-656 | 22-578 | | | | |
| 38911 | 14 | 19-273 | 21-660 | | | | | 39046 | 13 | 12-638 | 13-812 | 39118 | 32 | 3-319 | 22-058 | | | | |
| 38912 | 13 | 20-986 | 21-468 | | | | | 39047 | 17 | 17-993 | 13-062 | 39119 | 19 | 10-248 | 22-812 | | | | |
| 38913 | 16 | 24-510 | 21-575 | | | | | 39048 | 8 | 18-255 | 13-765 | 39120 | 9 | 12-503 | 22-352 | | | | |
| 38914 | 36 | 25-294 | 21-174 | | | | | 39049 | 25 | 19-526 | 13-460 | 39121 | 10 | 20-178 | 22-768 | | | | |

R.A. 13^h 8^m

Plate 1020; 1917 March 21.

Provisional Constants.

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|-------|-----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|--|
| 39177 | 14 | 9-456 | 4-180 | 39249 | 13 | 4-645 | 17-010 | 39305 | 44 | 17-174 | 0-850 | 39377 | 10 | 9-284 | 14-964 | R.A. 13 ^h 32 ^m Plate 1039; 1917 April 20. Provisional Constants. A B C -02591 +00115 +0086 D E F -00163 -02614 -01468 Mag. = 16.5 - 1.09 \sqrt{d} |
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| 39180 | 20 | 19-035 | 4-862 | 39252 | 11 | 0-070 | 18-376 | 39308 | 33 | 2-246 | 1-720 | 39380 | 8 | 8-074 | 15-000 | |
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| 39183 | 12 | 7-659 | 5-836 | 39255 | 15 | 10-120 | 18-740 | 39311 | 8 | 22-222 | 1-534 | 39383 | 8 | 12-646 | 15-255 | |
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| 39215 | 25 | 6-876 | 12-600 | 39287 | 25 | 9-064 | 25-960 | 39343 | 18 | 3-994 | 7-679 | 39415 | 46 | 14-440 | 21-866 | |
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| 39244 | 15 | 9-018 | 16-334 | | | | | 39372 | 22 | 19-780 | 12-307 | | | | | |
| 39245 | 13 | 22-970 | 16-185 | | | | | 39373 | 11 | 13-034 | 13-394 | | | | | |
| 39246 | 12 | 2-828 | 17-771 | | | | | 39374 | 65 | 16-926 | 13-052 | | | | | |
| 39247 | 15 | 3-716 | 17-620 | | | | | 39375 | 9 | 0-658 | 14-761 | | | | | |
| 39248 | 14 | 4-019 | 17-511 | | | | | 39376 | 10 | 8-810 | 14-020 | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
| 39506 | 14 | 5-784 | 7-318 | 39578 | 14 | 20-407 | 19-769 | 39654 | 14 | 15-450 | 0-586 | 39726 | 18 | 2-857 | 11-506 | 39798 | 13 | 24-859 | 21-650 |
| 39507 | 26 | 8-900 | 7-610 | 39579 | 13 | 20-486 | 19-104 | 39655 | 16 | 16-954 | 0-022 | 39727 | 36 | 4-420 | 11-240 | 39799 | 25 | 1-712 | 22-501 |
| 39508 | 16 | 15-212 | 7-297 | 39580 | 20 | 2-276 | 20-453 | 39656 | 34 | 20-212 | 0-991 | 39728 | 14 | 9-042 | 11-842 | 39800 | 16 | 2-300 | 22-640 |
| 39509 | 10 | 19-845 | 7-039 | 39581 | 23 | 5-424 | 20-292 | 39657 | 22 | 20-546 | 0-558 | 39729 | 20 | 10-115 | 11-934 | 39801 | 22 | 5-366 | 22-472 |
| 39510 | 18 | 23-500 | 7-573 | 39582 | 29 | 8-645 | 20-268 | 39658 | 12 | 2-138 | 1-581 | 39730 | 16 | 12-723 | 11-894 | 39802 | 15 | 9-266 | 22-546 |
| 39511 | 63 | 14-830 | 8-708 | 39583 | 17 | 10-980 | 20-298 | 39659 | 54 | 2-498 | 1-370 | 39731 | 13 | 16-568 | 11-198 | 39803 | 25 | 10-454 | 22-434 |
| 39512 | 44 | 15-682 | 8-672 | 39584 | 45 | 13-888 | 20-120 | 39660 | 12 | 3-450 | 1-040 | 39732 | 9 | 17-540 | 11-713 | 39804 | 25 | 12-682 | 22-928 |
| 39513 | 29 | 19-976 | 8-006 | 39585 | 17 | 20-084 | 20-870 | 39661 | 21 | 8-465 | 1-154 | 39733 | 11 | 21-182 | 11-901 | 39805 | 38 | 18-601 | 22-605 |
| 39514 | 40 | 20-594 | 8-952 | 39586 | 23 | 20-780 | 20-243 | 39662 | 16 | 12-528 | 1-018 | 39734 | 11 | 22-915 | 11-969 | 39806 | 53 | 18-937 | 22-064 |
| 39515 | 17 | 21-740 | 8-269 | 39587 | 12 | 25-868 | 20-700 | 39663 | 37 | 14-544 | 1-266 | 39735 | 14 | 25-007 | 11-346 | 39807 | 13 | 22-676 | 22-455 |
| 39516 | 48 | 24-712 | 8-134 | 39588 | 8 | 25-964 | 20-484 | 39664 | 17 | 18-850 | 1-364 | 39736 | 13 | 1-388 | 12-064 | 39808 | 14 | 25-307 | 22-296 |
| 39517 | 45 | 0-681 | 9-504 | 39589 | 10 | 4-576 | 21-218 | 39665 | 47 | 19-670 | 1-574 | 39737 | 13 | 8-458 | 12-384 | 39809 | 24 | 3-726 | 23-908 |
| 39518 | 10 | 12-037 | 9-092 | 39590 | 13 | 7-204 | 21-562 | 39666 | 18 | 1-459 | 2-975 | 39738 | 19 | 8-859 | 12-856 | 39810 | 15 | 10-450 | 23-309 |
| 39519 | 20 | 14-392 | 9-616 | 39591 | 10 | 20-690 | 21-371 | 39667 | 12 | 3-866 | 2-026 | 39739 | 10 | 10-409 | 12-228 | 39811 | 16 | 19-403 | 23-599 |
| 39520 | 13 | 14-502 | 9-959 | 39592 | 10 | 0-222 | 22-438 | 39668 | 36 | 4-690 | 2-661 | 39740 | 18 | 20-304 | 12-158 | 39812 | 13 | 5-696 | 24-852 |
| 39521 | 21 | 15-272 | 9-248 | 39593 | 23 | 1-144 | 22-605 | 39669 | 22 | 7-504 | 2-640 | 39741 | 13 | 25-458 | 12-406 | 39813 | 14 | 11-190 | 24-857 |
| 39522 | 14 | 19-419 | 9-446 | 39594 | 9 | 5-318 | 22-074 | 39670 | 38 | 16-065 | 2-261 | 39742 | 14 | 7-346 | 13-124 | 39814 | 17 | 11-842 | 24-454 |
| 39523 | 40 | 20-004 | 9-182 | 39595 | 12 | 5-373 | 22-377 | 39671 | 12 | 20-192 | 2-858 | 39743 | 21 | 10-050 | 13-618 | 39815 | 15 | 12-008 | 24-514 |
| 39524 | 10 | 20-916 | 9-370 | 39596 | 23 | 7-885 | 22-570 | 39672 | 19 | 21-120 | 2-902 | 39744 | 16 | 11-624 | 13-789 | 39816 | 18 | 12-432 | 24-384 |
| 39525 | 25 | 23-182 | 9-736 | 39597 | 23 | 23-704 | 22-426 | 39673 | 12 | 24-067 | 2-604 | 39745 | 16 | 11-624 | 13-789 | 39817 | 24 | 14-336 | 24-958 |
| 39526 | 11 | 24-590 | 9-234 | 39598 | 14 | 24-286 | 22-574 | 39674 | 11 | 2-031 | 3-542 | 39746 | 16 | 23-916 | 13-045 | 39818 | 12 | 17-028 | 24-764 |
| 39527 | 10 | 8-542 | 10-847 | 39599 | 49 | 4-507 | 23-570 | 39675 | 13 | 11-222 | 3-220 | 39747 | 13 | 5-251 | 14-011 | 39819 | 28 | 19-808 | 24-723 |
| 39528 | 25 | 9-216 | 10-062 | 39600 | 14 | 4-723 | 23-550 | 39676 | 14 | 25-572 | 3-882 | 39748 | 18 | 7-066 | 14-398 | 39820 | 44 | 20-622 | 24-342 |
| 39529 | 8 | 9-586 | 10-478 | 39601 | 37 | 6-562 | 23-326 | 39677 | 26 | 4-450 | 4-050 | 39749 | 22 | 1-260 | 15-856 | 39821 | 19 | 21-818 | 24-748 |
| 39530 | 12 | 13-940 | 10-844 | 39602 | 12 | 6-748 | 23-106 | 39678 | 19 | 9-794 | 4-818 | 39750 | 33 | 3-760 | 15-966 | 39822 | 26 | 23-916 | 24-028 |
| 39531 | 15 | 2-578 | 11-834 | 39603 | 25 | 10-735 | 23-098 | 39679 | 15 | 15-030 | 4-809 | 39751 | 13 | 3-970 | 15-972 | 39823 | 15 | 25-324 | 24-366 |
| 39532 | 21 | 6-269 | 11-140 | 39604 | 12 | 11-010 | 23-311 | 39680 | 18 | 17-664 | 4-519 | 39752 | 16 | 8-648 | 15-025 | 39824 | 10 | 4-782 | 25-242 |
| 39533 | 10 | 11-220 | 11-214 | 39605 | 12 | 13-018 | 23-821 | 39681 | 13 | 3-370 | 5-314 | 39753 | 17 | 8-648 | 15-025 | 39825 | 16 | 15-348 | 25-240 |
| 39534 | 31 | 12-044 | 11-954 | 39606 | 13 | 15-177 | 23-424 | 39682 | 17 | 3-746 | 5-689 | 39754 | 36 | 11-832 | 15-068 | 39826 | 18 | 18-216 | 25-798 |
| 39535 | 34 | 15-830 | 11-850 | 39607 | 41 | 15-259 | 23-170 | 39683 | 11 | 3-755 | 5-033 | 39755 | 22 | 15-102 | 15-299 | 39827 | 11 | 22-246 | 25-758 |
| 39536 | 12 | 18-933 | 11-677 | 39608 | 10 | 19-082 | 23-962 | 39684 | 33 | 5-430 | 5-238 | 39756 | 15 | 22-532 | 15-770 | | | | |
| 39537 | 13 | 23-503 | 11-984 | 39609 | 23 | 25-694 | 23-861 | 39685 | 18 | 5-480 | 5-518 | 39757 | 22 | 24-328 | 15-058 | | | | |
| 39538 | 22 | 24-982 | 11-443 | 39610 | 19 | 0-376 | 24-970 | 39686 | 12 | 6-705 | 5-294 | 39758 | 12 | 6-612 | 16-826 | | | | |
| 39539 | 15 | 6-822 | 12-358 | 39611 | 11 | 4-804 | 24-339 | 39687 | 13 | 7-518 | 5-011 | 39759 | 16 | 8-596 | 16-100 | | | | |
| 39540 | 19 | 11-292 | 12-784 | 39612 | 13 | 9-533 | 24-736 | 39688 | 16 | 7-700 | 5-166 | 39760 | 17 | 18-032 | 16-396 | | | | |
| 39541 | 9 | 14-944 | 12-980 | 39613 | 10 | 15-502 | 24-700 | 39689 | 18 | 8-484 | 5-360 | 39761 | 13 | 18-134 | 16-626 | | | | |
| 39542 | 11 | 4-127 | 13-840 | 39614 | 11 | 16-209 | 24-014 | 39690 | 20 | 11-070 | 5-298 | 39762 | 16 | 19-960 | 16-911 | | | | |
| 39543 | 12 | 5-876 | 13-216 | 39615 | 15 | 17-436 | 24-325 | 39691 | 16 | 14-946 | 5-269 | 39763 | 30 | 23-897 | 16-818 | | | | |
| 39544 | 14 | 10-245 | 13-379 | 39616 | 10 | 21-110 | 24-134 | 39692 | 17 | 16-542 | 5-438 | 39764 | 20 | 25-888 | 16-076 | | | | |
| 39545 | 43 | 12-922 | 13-758 | 39617 | 48 | 1-983 | 25-471 | 39693 | 64 | 2-939 | 6-419 | 39765 | 14 | 2-269 | 17-994 | | | | |
| 39546 | 45 | 17-545 | 13-867 | 39618 | 11 | 7-598 | 25-669 | 39694 | 19 | 8-568 | 6-524 | 39766 | 31 | 6-124 | 17-228 | | | | |
| 39547 | 22 | 21-750 | 13-128 | 39619 | 18 | 8-766 | 25-138 | 39695 | 16 | 12-894 | 6-266 | 39767 | 11 | 10-556 | 17-764 | | | | |
| 39548 | 40 | 8-511 | 14-874 | 39620 | 10 | 12-264 | 25-839 | 39696 | 14 | 20-258 | 6-188 | 39768 | 21 | 11-640 | 17-300 | | | | |
| 39549 | 13 | 10-012 | 14-455 | 39621 | 15 | 16-018 | 25-744 | 39697 | 12 | 20-546 | 6-835 | 39769 | 21 | 11-650 | 17-232 | | | | |
| 39550 | 11 | 11-410 | 14-372 | 39622 | 11 | 19-182 | 25-496 | 39698 | 13 | 22-580 | 6-693 | 39770 | 40 | 16-976 | 17-556 | | | | |
| 39551 | 37 | 17-700 | 14-800 | | | | | 39699 | 19 | 1-324 | 7-654 | 39771 | 12 | 7-427 | 18-044 | | | | |
| 39552 | 30 | 18-802 | 14-490 | | | | | 39700 | 17 | 6-695 | 7-449 | 39772 | 16 | 7-801 | 18-992 | | | | |
| 39553 | 10 | 20-881 | 14-436 | | | | | 39701 | 12 | 11-179 | 7-662 | 39773 | 14 | 9-935 | 18-914 | | | | |
| 39554 | 32 | 0-268 | 15-924 | | | | | 39702 | 36 | 11-469 | 7-922 | 39774 | 13 | 19-844 | 18-039 | | | | |
| 39555 | 12 | 7-772 | 15-540 | | | | | 39703 | 39 | 2-546 | 8-197 | 39775 | 16 | 22-660 | 18-986 | | | | |
| 39556 | 13 | 14-805 | 15-244 | | | | | 39704 | 27 | 4-264 | 8-475 | 39776 | 36 | 24-322 | 18-581 | | | | |
| 39557 | 26 | 14-854 | 15-098 | | | | | 39705 | 11 | 6-256 | 8-583 | 39777 | 15 | 24-616 | 18-712 | | | | |
| 39558 | 27 | 23-331 | 15-775 | | | | | 39706 | 32 | 15-205 | 8-937 | 39778 | 17 | 9-842 | 19-552 | | | | |
| 39559 | 38 | 25-832 | 15-914 | | | | | 39707 | 12 | 15-524 | 8-453 | 39779 | 11 | 12-332 | 19-587 | | | | |
| 39560 | 12 | 1-115 | 16-636 | | | | | 39708 | 34 | 22-137 | 8-144 | 39780 | 16 | 18-360 | 19-050 | | | | |
| 39561 | 11 | 2-706 | 16-913 | | | | | 39709 | 19 | 24-004 | 8-754 | 39781 | 16 | 25-234 | 19-986 | | | | |
| 39562 | 26 | 7-803 | 16-184 | | | | | 39710 | 22 | 1-035 | 9-818 | 39782 | 11 | 0-527 | 20-503 | | | | |
| 39563 | 14 | 11-774 | 16-334 | | | | | 39711 | 14 | 5-391 | 9-668 | 39783 | 12 | 3-164 | 20-134 | | | | |
| 39564 | 12 | 12-224 | 16-412 | | | | | 39712 | 17 | 6-799 | 9-458 | 39784 | 15 | 3-856 | 20-746 | | | | |
| 39565 | 22 | 12-900 | 16-026 | | | | | 39713 | 17 | 11-770 | 9-435 | 39785 | 20 | 5-258 | 20-828 | | | | |
| 39566 | 40 | 16-990 | 16-576 | | | | | 39714 | 86 | 17-706 | 9-556 | 39786 | 16 | 9-102 | 20-708 | | | | |
| 39567 | 23 | 21-767 | 16-842 | | | | | 39715 | 19 | 24-954 | 9-631 | 39787 | 13 | 11-360 | 20-824 | | | | |
| 39568 | 12 | 17-872 | 17-426 | | | | | 39716 | 22 | 3-916 | 10-912 | 39788 | 14 | 16-386 | 20-348 | | | | |
| 39569 | 12 | 18-044 | 17-936 | | | | | 39717 | 11 | 7-560 | 10-467 | 39789 | 12 | 18-980 | 20-503 | | | | |
| 39570 | 12 | 19-705 | 17-601 | | | | | 39718 | 39 | 12-642 | 10-852 | 39790 | 12 | 21-617 | 20-156 | | | | |
| 39571 | 9 | 22-948 | 17-438 | | | | | 39719 | 15 | 15-942 | 10-672 | 39791 | 19 | 13-972 | 21-863 | | | | |
| 39572 | 19 | 24-314 | 17-926 | | | | | 39720 | 11 | 15-970 | 10-114 | 39792 | 18 | 14-072 | 21-866 | | | | |
| 39573 | 76 | 1-156 | 18-118 | | | | | 39721 | 36 | 18-045 | 10-533 | 39793 | 44 | 17-838 | 21-624 | | | | |
| 39574 | 25 | 1-934 | 18-614 | | | | | 39722 | 17 | 19-466 | 10-222 | 39794 | 16 | 19-275 | 21-475 | | | | |
| 395 | | | | | | | | | | | | | | | | | | | |

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|-------|----|---------|---------|-------|----|---------|---------|-------|----|---------|---------|-------|----|---------|---------|-------|----|---------|---------|
| 39869 | 21 | 21°354' | 2°726' | 39941 | 10 | 23°342' | 13°539' | 40013 | 10 | 14°752' | 22°337' | 40112 | 15 | 4°136' | 2°672' | 40184 | 12 | 12°622' | 11°981' |
| 39870 | 17 | 21°388' | 2°590' | 39942 | 19 | 24°752' | 13°333' | 40014 | 9 | 14°758' | 22°118' | 40113 | 60 | 5°885' | 2°432' | 40185 | 12 | 13°852' | 11°652' |
| 39871 | 11 | 21°605' | 2°998' | 39943 | 8 | 23°479' | 14°086' | 40015 | 13 | 16°144' | 22°266' | 40114 | 25 | 7°724' | 2°181' | 40186 | 10 | 14°558' | 11°036' |
| 39872 | 10 | 5°780' | 3°097' | 39944 | 8 | 22°366' | 14°458' | 40016 | 34 | 17°902' | 22°500' | 40115 | 8 | 10°380' | 2°222' | 40187 | 9 | 16°403' | 11°124' |
| 39873 | 12 | 5°068' | 3°811' | 39945 | 8 | 23°924' | 14°101' | 40017 | 12 | 20°158' | 22°500' | 40116 | 8 | 15°094' | 2°193' | 40188 | 18 | 23°706' | 11°320' |
| 39874 | 10 | 6°905' | 3°214' | 39946 | 19 | 24°450' | 14°754' | 40018 | 9 | 20°661' | 22°540' | 40117 | 16 | 18°610' | 2°953' | 40189 | 10 | 25°846' | 11°634' |
| 39875 | 10 | 9°984' | 3°356' | 39947 | 10 | 2°335' | 15°324' | 40019 | 20 | 24°161' | 22°603' | 40118 | 17 | 19°090' | 2°184' | 40190 | 15 | 6°280' | 12°778' |
| 39876 | 55 | 10°609' | 3°415' | 39948 | 12 | 5°620' | 15°608' | 40020 | 10 | 0°061' | 23°824' | 40119 | 24 | 22°724' | 2°112' | 40191 | 12 | 14°300' | 12°026' |
| 39877 | 30 | 11°089' | 3°000' | 39949 | 14 | 11°375' | 15°294' | 40021 | 9 | 8°714' | 23°924' | 40120 | 15 | 2°921' | 3°307' | 40192 | 18 | 16°200' | 12°902' |
| 39878 | 17 | 11°486' | 3°048' | 39950 | 13 | 23°498' | 15°233' | 40022 | 11 | 9°144' | 23°270' | 40121 | 40 | 3°194' | 3°423' | 40193 | 24 | 16°761' | 12°622' |
| 39879 | 12 | 12°512' | 3°703' | 39951 | 10 | 25°050' | 15°038' | 40023 | 8 | 12°910' | 23°051' | 40122 | 47 | 10°089' | 3°027' | 40194 | 20 | 23°618' | 12°656' |
| 39880 | 19 | 16°544' | 3°738' | 39952 | 10 | 25°173' | 15°455' | 40024 | 8 | 15°156' | 23°231' | 40123 | 18 | 10°782' | 3°992' | 40195 | 22 | 2°414' | 13°370' |
| 39881 | 12 | 25°384' | 3°280' | 39953 | 11 | 0°550' | 16°060' | 40025 | 10 | 16°047' | 23°968' | 40124 | 9 | 11°779' | 3°730' | 40196 | 8 | 3°451' | 13°682' |
| 39882 | 32 | 25°657' | 3°396' | 39954 | 18 | 3°909' | 16°321' | 40026 | 18 | 18°571' | 23°548' | 40125 | 15 | 14°774' | 3°199' | 40197 | 21 | 10°696' | 13°048' |
| 39883 | 11 | 3°440' | 4°134' | 39955 | 10 | 4°380' | 16°980' | 40027 | 12 | 18°850' | 23°460' | 40126 | 10 | 16°451' | 3°537' | 40198 | 11 | 11°836' | 13°535' |
| 39884 | 10 | 4°244' | 4°351' | 39956 | 9 | 5°633' | 16°033' | 40028 | 15 | 21°386' | 23°205' | 40127 | 32 | 16°804' | 3°616' | 40199 | 10 | 14°960' | 13°613' |
| 39885 | 9 | 9°091' | 4°165' | 39957 | 9 | 6°492' | 16°114' | 40029 | 31 | 2°037' | 24°301' | 40128 | 25 | 17°448' | 3°260' | 40200 | 12 | 17°076' | 13°968' |
| 39886 | 8 | 16°071' | 4°718' | 39958 | 8 | 8°087' | 16°812' | 40030 | 11 | 3°452' | 24°614' | 40129 | 11 | 18°472' | 3°126' | 40201 | 10 | 18°169' | 13°113' |
| 39887 | 9 | 4°998' | 5°150' | 39959 | 10 | 10°300' | 16°292' | 40031 | 9 | 4°480' | 24°678' | 40130 | 12 | 1°551' | 4°738' | 40202 | 20 | 24°526' | 13°338' |
| 39888 | 8 | 21°043' | 5°245' | 39960 | 17 | 15°113' | 16°448' | 40032 | 9 | 10°316' | 24°217' | 40131 | 11 | 1°918' | 4°850' | 40203 | 13 | 24°745' | 13°394' |
| 39889 | 10 | 21°056' | 6°772' | 39961 | 24 | 20°958' | 16°788' | 40033 | 15 | 10°513' | 24°036' | 40132 | 11 | 3°498' | 4°070' | 40204 | 9 | 1°596' | 14°148' |
| 39890 | 8 | 22°204' | 6°598' | 39962 | 13 | 22°000' | 16°420' | 40034 | 17 | 10°574' | 24°384' | 40133 | 21 | 12°534' | 4°524' | 40205 | 20 | 2°130' | 14°792' |
| 39891 | 9 | 24°911' | 6°330' | 39963 | 12 | 25°074' | 16°614' | 40035 | 12 | 11°356' | 24°702' | 40134 | 11 | 14°282' | 4°111' | 40206 | 9 | 6°096' | 14°783' |
| 39892 | 14 | 25°054' | 6°164' | 39964 | 30 | 1°925' | 17°090' | 40036 | 15 | 13°194' | 24°781' | 40135 | 25 | 16°244' | 4°444' | 40207 | 24 | 7°671' | 14°154' |
| 39893 | 25 | 9°486' | 7°488' | 39965 | 78 | 4°948' | 17°352' | 40037 | 9 | 18°799' | 24°490' | 40136 | 30 | 18°426' | 4°258' | 40208 | 50 | 11°002' | 14°926' |
| 39894 | 10 | 24°105' | 7°840' | 39966 | 9 | 5°169' | 17°154' | 40038 | 11 | 19°219' | 24°370' | 40137 | 12 | 20°734' | 4°993' | 40209 | 9 | 21°288' | 14°454' |
| 39895 | 32 | 0°056' | 8°437' | 39967 | 27 | 8°850' | 17°480' | 40039 | 22 | 21°477' | 24°190' | 40138 | 26 | 22°350' | 4°404' | 40210 | 14 | 23°850' | 14°256' |
| 39896 | 9 | 6°372' | 8°137' | 39968 | 25 | 8°884' | 17°518' | 40040 | 8 | 25°134' | 24°401' | 40139 | 24 | 22°421' | 4°692' | 40211 | 37 | 24°360' | 14°094' |
| 39897 | 10 | 6°750' | 8°090' | 39969 | 19 | 11°098' | 17°149' | 40041 | 8 | 25°602' | 24°163' | 40140 | 20 | 25°000' | 4°024' | 40212 | 15 | 1°184' | 15°284' |
| 39898 | 9 | 7°957' | 8°822' | 39970 | 10 | 12°533' | 17°458' | 40042 | 34 | 5°344' | 25°216' | 40141 | 33 | 5°715' | 5°548' | 40213 | 8 | 1°834' | 15°624' |
| 39899 | 8 | 8°530' | 8°455' | 39971 | 8 | 15°600' | 17°882' | 40043 | 9 | 9°610' | 25°370' | 40142 | 28 | 7°374' | 5°635' | 40214 | 11 | 2°732' | 15°068' |
| 39900 | 49 | 14°106' | 8°772' | 39972 | 13 | 22°752' | 17°778' | 40044 | 8 | 11°261' | 25°433' | 40143 | 18 | 16°950' | 5°074' | 40215 | 21 | 2°860' | 15°484' |
| 39901 | 18 | 1°932' | 9°028' | 39973 | 35 | 2°372' | 18°490' | 40045 | 12 | 16°366' | 25°244' | 40144 | 12 | 2°486' | 6°366' | 40216 | 38 | 7°078' | 15°101' |
| 39902 | 14 | 2°804' | 9°891' | 39974 | 13 | 2°671' | 18°977' | 40046 | 10 | 17°263' | 25°645' | 40145 | 20 | 2°624' | 6°198' | 40217 | 11 | 12°766' | 15°129' |
| 39903 | 14 | 15°733' | 9°678' | 39975 | 12 | 6°274' | 18°107' | 40047 | 20 | 19°807' | 25°208' | 40146 | 8 | 7°649' | 6°118' | 40218 | 17 | 15°378' | 15°118' |
| 39904 | 64 | 17°196' | 9°350' | 39976 | 8 | 9°404' | 18°128' | 40048 | 20 | 22°764' | 25°960' | 40147 | 24 | 9°620' | 6°884' | 40219 | 8 | 17°482' | 15°350' |
| 39905 | 14 | 18°487' | 9°530' | 39977 | 12 | 10°219' | 18°912' | 40049 | 11 | 22°076' | 25°570' | 40148 | 10 | 12°626' | 6°892' | 40220 | 9 | 2°778' | 16°645' |
| 39906 | 40 | 21°187' | 9°538' | 39978 | 10 | 11°567' | 18°807' | | | | | 40149 | 11 | 12°700' | 6°644' | 40221 | 76 | 15°570' | 16°282' |
| 39907 | 19 | 23°122' | 9°168' | 39979 | 25 | 12°770' | 18°621' | | | | | 40150 | 18 | 13°474' | 6°908' | 40222 | 17 | 16°787' | 16°264' |
| 39908 | 10 | 0°222' | 10°722' | 39980 | 22 | 15°771' | 18°508' | | | | | 40151 | 10 | 16°484' | 6°280' | 40223 | 15 | 20°567' | 16°701' |
| 39909 | 31 | 3°717' | 10°972' | 39981 | 12 | 21°722' | 18°210' | | | | | 40152 | 18 | 18°839' | 6°771' | 40224 | 31 | 20°808' | 16°070' |
| 39910 | 10 | 5°804' | 10°946' | 39982 | 8 | 24°512' | 18°248' | | | | | 40153 | 26 | 22°414' | 6°209' | 40225 | 12 | 22°481' | 16°966' |
| 39911 | 9 | 11°262' | 10°190' | 39983 | 11 | 0°718' | 19°272' | | | | | 40154 | 8 | 23°976' | 6°334' | 40226 | 17 | 0°470' | 17°835' |
| 39912 | 40 | 17°382' | 10°620' | 39984 | 14 | 5°136' | 19°638' | | | | | 40155 | 18 | 25°074' | 6°945' | 40227 | 13 | 10°221' | 17°420' |
| 39913 | 21 | 17°542' | 10°037' | 39985 | 9 | 11°251' | 19°520' | | | | | 40156 | 10 | 1°608' | 7°884' | 40228 | 11 | 14°685' | 17°195' |
| 39914 | 9 | 19°186' | 10°408' | 39986 | 20 | 11°566' | 19°786' | | | | | 40157 | 36 | 13°526' | 7°027' | 40229 | 14 | 18°221' | 17°762' |
| 39915 | 13 | 23°103' | 10°777' | 39987 | 14 | 16°776' | 19°370' | | | | | 40158 | 12 | 19°752' | 7°986' | 40230 | 51 | 18°674' | 17°803' |
| 39916 | 9 | 23°813' | 10°630' | 39988 | 20 | 17°912' | 19°280' | | | | | 40159 | 21 | 19°840' | 7°369' | 40231 | 12 | 21°917' | 17°268' |
| 39917 | 13 | 1°670' | 11°210' | 39989 | 35 | 18°200' | 19°927' | | | | | 40160 | 26 | 21°994' | 7°907' | 40232 | 16 | 23°572' | 17°555' |
| 39918 | 16 | 2°070' | 11°607' | 39990 | 32 | 22°731' | 19°828' | | | | | 40161 | 24 | 22°996' | 7°198' | 40233 | 31 | 9°362' | 18°616' |
| 39919 | 44 | 4°646' | 11°644' | 39991 | 13 | 3°303' | 20°245' | | | | | 40162 | 13 | 4°204' | 8°856' | 40234 | 21 | 9°431' | 18°218' |
| 39920 | 10 | 6°282' | 11°120' | 39992 | 8 | 7°270' | 20°682' | | | | | 40163 | 23 | 5°566' | 8°900' | 40235 | 9 | 10°036' | 18°574' |
| 39921 | 8 | 12°197' | 11°941' | 39993 | 13 | 8°458' | 20°127' | | | | | 40164 | 9 | 10°326' | 8°890' | 40236 | 9 | 18°056' | 18°218' |
| 39922 | 9 | 21°350' | 11°700' | 39994 | 10 | 9°268' | 20°127' | | | | | 40165 | 16 | 15°291' | 8°037' | 40237 | 10 | 19°645' | 18°046' |
| 39923 | 12 | 25°194' | 11°027' | 39995 | 26 | 12°631' | 20°773' | | | | | 40166 | 24 | 17°876' | 8°254' | 40238 | 30 | 20°413' | 18°768' |
| 39924 | 8 | 25°608' | 11°558' | 39996 | 27 | 15°696' | 20°364' | | | | | 40167 | 22 | 19°654' | 8°360' | 40239 | 8 | 21°594' | 18°264' |
| 39925 | 10 | 3°139' | 12°400' | 39997 | 11 | 17°868' | 20°439' | | | | | 40168 | 28 | 21°346' | 8°590' | 40240 | 38 | 25°586' | 18°335' |
| 39926 | 10 | 3°436' | 12°658' | 39998 | 11 | 23°142' | 20°604' | | | | | 40169 | 15 | 22°500' | 8°354' | 40241 | 40 | 0°472' | 19°888' |
| 39927 | 16 | 4°412' | 12°600' | 39999 | 9 | 25°774' | 20°613' | | | | | 40170 | 21 | 0°731' | 9°222' | 40242 | 22 | 4°049' | 19°560' |
| 39928 | 9 | 5°052' | 12°360' | 40000 | 15 | 2°090' | 21°730' | | | | | 40171 | 23 | 5°124' | 9°827' | 40243 | 42 | 5°810' | 19°064' |
| 39929 | 11 | 18°082' | 12°844' | 40001 | 25 | 2°144' | 21°322' | | | | | 40172 | 25 | 6°781' | 9°541' | 40244 | 10 | 9°784' | 19°497' |
| 39930 | 10 | 18°686' | 12°234' | 40002 | 14 | 2°374' | 21°339' | | | | | 40173 | 22 | 10°150' | 9°814' | 40245 | 13 | 0°895' | 20°658' |
| 39931 | 13 | 1°900' | 13°320' | 40003 | 15 | 6°520' | 21°818' | | | | | 40174 | 20 | 20°589' | 9°416' | 40246 | 9 | 3°527' | 20°635' |
| 39932 | 13 | 4°217' | 13°124' | 40004 | 11 | 7°344' | 21°442' | | | | | 40175 | 18 | 0°734' | 10°833' | 40247 | 9 | 8°486' | 20°162' |
| 39933 | 9 | 14°522' | 13°874' | 40005 | 19 | 7°608' | 21°655' | | | | | 40176 | 20 | 10°979' | 10°017' | 40248 | 20 | 15°362' | 20°890' |
| 39934 | 14 | 15°360' | 13°352' | 40006 | 9 | 11°677' | 21°580' | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|--------|----|--------|-------|--------|----|--------|--------|--------|----|--------|--------|---|
| 40256 | 12 | 0-633 | 21-904 | 40311 | 26 | 13-612 | 1-084 | 40383* | 47 | 11-286 | 9-748 | 40455 | 10 | 19-127 | 18-224 | <div>R.A. 14^h 12^m</div> <div>Plate 1034; 1917 April 19.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>-02552 -00116 +1118</div> <div>D E F</div> <div>+00083 -02558 -3308</div> <div>Mag.=16.7-1.09√d</div> |
| 40257 | 14 | 4-059 | 21-972 | 40312 | 17 | 0-511 | 2-261 | 40384 | 9 | 13-214 | 9-198 | 40456 | 8 | 2-214 | 19-313 | |
| 40258 | 8 | 4-630 | 21-056 | 40313 | 12 | 11-967 | 2-057 | 40385 | 27 | 16-692 | 9-305 | 40457 | 10 | 3-282 | 19-695 | |
| 40259 | 12 | 4-060 | 21-622 | 40314 | 13 | 12-096 | 2-541 | 40386 | 38 | 21-220 | 9-411 | 40458* | 40 | 4-456 | 19-484 | |
| 40260 | 15 | 5-408 | 21-435 | 40315 | 12 | 21-069 | 2-606 | 40387 | 8 | 25-308 | 9-094 | 40459 | 15 | 6-519 | 19-224 | |
| 40261 | 10 | 8-072 | 21-930 | 40316 | 10 | 8-644 | 3-105 | 40388 | 23 | 4-821 | 10-908 | 40460 | 8 | 11-422 | 19-262 | |
| 40262 | 9 | 10-354 | 21-236 | 40317 | 8 | 10-146 | 3-398 | 40389* | 43 | 6-188 | 10-240 | 40461 | 25 | 14-984 | 19-196 | |
| 40263 | 12 | 20-326 | 21-326 | 40318 | 11 | 10-311 | 3-045 | 40390 | 10 | 10-510 | 10-344 | 40462 | 12 | 0-230 | 20-622 | |
| 40264 | 12 | 22-098 | 21-122 | 40319 | 10 | 12-935 | 3-386 | 40391 | 19 | 20-306 | 10-047 | 40463 | 35 | 2-610 | 20-124 | |
| 40265 | 8 | 25-796 | 21-768 | 40320 | 11 | 15-413 | 3-736 | 40392 | 34 | 22-364 | 10-512 | 40464* | 34 | 5-156 | 20-739 | |
| 40266 | 24 | 1-940 | 22-646 | 40321 | 8 | 15-569 | 3-935 | 40393 | 9 | 25-956 | 10-892 | 40465 | 12 | 7-034 | 20-147 | |
| 40267 | 10 | 4-958 | 22-116 | 40322* | 43 | 15-896 | 3-735 | 40394 | 8 | 0-100 | 11-681 | 40466 | 8 | 8-270 | 20-316 | |
| 40268 | 10 | 5-188 | 22-744 | 40323 | 10 | 17-584 | 3-059 | 40395 | 16 | 1-608 | 11-454 | 40467 | 19 | 8-614 | 20-426 | |
| 40269 | 8 | 18-404 | 22-809 | 40324 | 31 | 17-926 | 3-702 | 40396 | 12 | 3-751 | 11-743 | 40468 | 13 | 14-594 | 20-916 | |
| 40270 | 12 | 19-898 | 22-032 | 40325* | 33 | 20-586 | 3-962 | 40397 | 25 | 8-918 | 11-666 | 40469 | 9 | 15-292 | 20-666 | |
| 40271 | 22 | 21-406 | 22-886 | 40326 | 26 | 0-166 | 4-560 | 40398 | 25 | 9-116 | 11-022 | 40470 | 10 | 15-815 | 20-292 | |
| 40272 | 12 | 23-106 | 22-416 | 40327 | 26 | 0-244 | 4-845 | 40399 | 11 | 10-250 | 11-756 | 40471 | 12 | 17-878 | 20-296 | |
| 40273 | 10 | 25-148 | 22-766 | 40328 | 33 | 2-810 | 4-144 | 40400 | 30 | 11-883 | 11-174 | 40472 | 8 | 19-036 | 20-624 | |
| 40274 | 8 | 1-738 | 23-820 | 40329 | 10 | 3-246 | 4-900 | 40401 | 8 | 13-136 | 11-800 | 40473 | 9 | 19-390 | 20-906 | |
| 40275 | 21 | 5-842 | 23-376 | 40330 | 8 | 5-819 | 4-860 | 40402 | 21 | 14-506 | 11-375 | 40474 | 8 | 19-504 | 20-724 | |
| 40276 | 40 | 9-061 | 23-410 | 40331* | 41 | 6-955 | 4-234 | 40403 | 13 | 25-438 | 11-208 | 40475 | 21 | 22-172 | 20-130 | |
| 40277 | 11 | 9-718 | 23-150 | 40332 | 11 | 8-512 | 4-762 | 40404 | 25 | 1-538 | 12-795 | 40476 | 10 | 0-125 | 21-276 | |
| 40278 | 9 | 13-234 | 23-014 | 40333 | 16 | 9-966 | 4-463 | 40405 | 26 | 6-090 | 12-563 | 40477 | 8 | 3-830 | 21-875 | |
| 40279 | 13 | 14-658 | 23-900 | 40334 | 10 | 12-765 | 4-956 | 40406 | 11 | 6-656 | 12-834 | 40478 | 8 | 5-596 | 21-584 | |
| 40280 | 20 | 17-402 | 23-314 | 40335 | 21 | 13-091 | 4-054 | 40407 | 12 | 7-720 | 12-477 | 40479 | 8 | 6-947 | 21-592 | |
| 40281 | 28 | 23-172 | 23-949 | 40336 | 14 | 14-034 | 4-498 | 40408 | 9 | 7-930 | 12-600 | 40480 | 8 | 9-686 | 21-300 | |
| 40282 | 12 | 2-937 | 24-428 | 40337 | 8 | 14-511 | 4-167 | 40409* | 41 | 17-830 | 12-675 | 40481 | 10 | 12-853 | 21-837 | |
| 40283 | 8 | 19-122 | 24-138 | 40338 | 10 | 18-026 | 4-776 | 40410 | 9 | 23-986 | 12-190 | 40482 | 13 | 13-160 | 21-690 | |
| 40284 | 11 | 20-828 | 24-258 | 40339 | 11 | 19-710 | 4-640 | 40411 | 28 | 24-555 | 13-464 | 40483* | 44 | 25-078 | 21-011 | |
| 40285 | 40 | 22-776 | 24-785 | 40340 | 9 | 21-078 | 4-903 | 40412 | 12 | 2-674 | 13-516 | 40484 | 10 | 1-151 | 22-556 | |
| 40286 | 13 | 0-792 | 25-026 | 40341 | 22 | 4-602 | 5-560 | 40413 | 11 | 9-604 | 13-950 | 40485 | 8 | 3-196 | 22-882 | |
| 40287 | 27 | 3-858 | 25-171 | 40342 | 11 | 5-458 | 5-306 | 40414 | 29 | 9-914 | 13-367 | 40486 | 10 | 7-186 | 22-849 | |
| 40288 | 11 | 5-687 | 25-097 | 40343 | 11 | 7-508 | 5-110 | 40415 | 8 | 12-076 | 13-636 | 40487 | 15 | 7-810 | 22-624 | |
| 40289 | 16 | 10-314 | 25-477 | 40344 | 8 | 7-687 | 5-178 | 40416 | 13 | 13-564 | 13-798 | 40488 | 13 | 10-570 | 22-918 | |
| 40290 | 32 | 12-951 | 25-400 | 40345 | 32 | 7-864 | 5-804 | 40417 | 35 | 19-108 | 13-671 | 40489 | 23 | 11-414 | 22-568 | |
| 40291 | 16 | 14-028 | 25-041 | 40346* | 33 | 9-276 | 5-332 | 40418 | 16 | 1-792 | 14-392 | 40490 | 8 | 17-376 | 22-076 | |
| 40292 | 16 | 17-243 | 25-052 | 40347 | 18 | 9-560 | 5-456 | 40419 | 35 | 2-206 | 14-221 | 40491 | 12 | 0-522 | 23-348 | |
| 40293 | 14 | 18-895 | 25-094 | 40348 | 8 | 13-764 | 5-867 | 40420 | 8 | 4-250 | 14-249 | 40492 | 8 | 4-596 | 23-566 | |
| | | | | 40349 | 10 | 19-300 | 5-833 | 40421 | 12 | 4-404 | 14-234 | 40493 | 28 | 10-524 | 23-448 | |
| | | | | 40350 | 39 | 19-578 | 5-494 | 40422 | 10 | 8-298 | 14-738 | 40494 | 10 | 12-424 | 23-076 | |
| | | | | 40351 | 32 | 22-217 | 5-556 | 40423 | 9 | 12-823 | 14-562 | 40495 | 29 | 20-405 | 23-802 | |
| | | | | 40352 | 16 | 23-676 | 5-196 | 40424 | 11 | 14-064 | 14-926 | 40496* | 38 | 0-848 | 24-931 | |
| | | | | 40353 | 29 | 0-252 | 6-362 | 40425 | 10 | 16-900 | 14-142 | 40497 | 32 | 1-236 | 24-088 | |
| | | | | 40354 | 8 | 1-816 | 6-466 | 40426 | 8 | 20-904 | 14-102 | 40498 | 17 | 4-880 | 24-088 | |
| | | | | 40355 | 10 | 4-302 | 6-104 | 40427* | 40 | 8-570 | 15-346 | 40499* | 35 | 5-175 | 24-480 | |
| | | | | 40356 | 14 | 5-154 | 6-542 | 40428 | 20 | 11-835 | 15-282 | 40500 | 17 | 6-842 | 24-419 | |
| | | | | 40357 | 10 | 14-937 | 6-405 | 40429 | 12 | 15-500 | 15-252 | 40501 | 8 | 7-062 | 24-764 | |
| | | | | 40358 | 15 | 15-476 | 6-363 | 40430 | 8 | 17-936 | 15-884 | 40502 | 8 | 9-154 | 24-569 | |
| | | | | 40359 | 10 | 18-424 | 6-732 | 40431 | 13 | 18-224 | 15-718 | 40503 | 9 | 11-070 | 24-748 | |
| | | | | 40360 | 28 | 0-845 | 7-344 | 40432 | 10 | 18-578 | 15-060 | 40504 | 32 | 11-375 | 24-850 | |
| | | | | 40361 | 21 | 3-521 | 7-056 | 40433 | 13 | 24-180 | 15-212 | 40505 | 11 | 14-702 | 24-716 | |
| | | | | 40362 | 15 | 7-568 | 7-525 | 40434 | 8 | 2-420 | 16-337 | 40506 | 11 | 20-618 | 24-670 | |
| | | | | 40363 | 8 | 9-903 | 7-934 | 40435 | 19 | 13-936 | 16-966 | 40507 | 24 | 21-368 | 24-284 | |
| | | | | 40364 | 15 | 10-586 | 7-744 | 40436 | 16 | 18-300 | 16-790 | 40508 | 23 | 22-444 | 24-877 | |
| | | | | 40365 | 8 | 10-590 | 7-325 | 40437 | 12 | 20-848 | 16-600 | 40509 | 11 | 4-794 | 25-252 | |
| | | | | 40366 | 12 | 14-262 | 7-955 | 40438 | 29 | 24-430 | 16-996 | 40510 | 33 | 9-460 | 25-711 | |
| | | | | 40367 | 29 | 14-398 | 7-980 | 40439 | 12 | 0-456 | 17-116 | 40511 | 18 | 12-761 | 25-744 | |
| | | | | 40368 | 14 | 16-830 | 7-066 | 40440 | 13 | 1-554 | 17-692 | 40512 | 35 | 18-909 | 25-242 | |
| | | | | 40369* | 45 | 18-904 | 7-076 | 40441* | 37 | 11-993 | 17-510 | | | | | |
| | | | | 40370 | 12 | 19-672 | 7-125 | 40442 | 31 | 18-166 | 17-219 | | | | | |
| | | | | 40371 | 30 | 24-777 | 7-644 | 40443 | 10 | 18-415 | 17-560 | | | | | |
| | | | | 40372 | 20 | 0-364 | 8-505 | 40444 | 8 | 23-617 | 17-679 | | | | | |
| | | | | 40373 | 11 | 6-114 | 8-463 | 40445 | 22 | 24-694 | 17-351 | | | | | |
| | | | | 40374 | 11 | 7-984 | 8-500 | 40446 | 10 | 25-718 | 17-920 | | | | | |
| | | | | 40375 | 9 | 13-614 | 8-292 | 40447 | 31 | 3-579 | 18-446 | | | | | |
| | | | | 40376 | 27 | 15-342 | 8-692 | 40448 | 11 | 8-227 | 18-424 | | | | | |
| | | | | 40377* | 39 | 16-758 | 8-562 | 40449 | 23 | 10-232 | 18-935 | | | | | |
| | | | | 40378 | 24 | 19-318 | 8-138 | 40450 | 32 | 12-156 | 18-292 | | | | | |
| | | | | 40379 | 24 | 20-416 | 8-636 | 40451 | 12 | 12-250 | 18-916 | | | | | |
| | | | | 40380 | 31 | 21-506 | 8-670 | 40452 | 8 | 12-658 | 18-752 | | | | | |
| | | | | 40381 | 12 | 22-608 | 8-168 | 40453 | 12 | 12-914 | 18-988 | | | | | |
| | | | | 40382 | 10 | 9-684 | 9-915 | 40454 | 9 | 13-860 | 18-477 | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
| 40606 | 27 | 14-896 | 7-560 | 40678 | 10 | 17-194 | 16-585 | 40750 | 29 | 15-058 | 25-901 | 40846 | 17 | 2-467 | 7-158 | 40918 | 70 | 8-446 | 16-356 |
| 40607 | 47 | 15-110 | 7-900 | 40679 | 23 | 21-174 | 16-774 | 40751 | 19 | 16-050 | 25-874 | 40847 | 17 | 11-544 | 7-904 | 40919 | 24 | 8-960 | 16-364 |
| 40608 | 16 | 24-124 | 7-497 | 40680 | 44 | 23-850 | 16-200 | 40752 | 11 | 17-866 | 25-753 | 40848 | 23 | 13-292 | 7-072 | 40920 | 19 | 13-944 | 16-776 |
| 40609 | 12 | 24-668 | 7-204 | 40681 | 25 | 24-093 | 16-339 | 40753 | 14 | 19-326 | 25-436 | 40849 | 34 | 13-384 | 7-702 | 40921 | 34 | 14-308 | 16-446 |
| 40610 | 11 | 25-077 | 7-800 | 40682 | 28 | 2-342 | 17-017 | 40754 | 16 | 20-479 | 25-800 | 40850 | 28 | 21-901 | 7-772 | 40922 | 19 | 16-350 | 16-124 |
| 40611 | 11 | 0-504 | 8-193 | 40683 | 19 | 2-666 | 17-374 | 40755 | 9 | 22-117 | 25-542 | 40851 | 16 | 22-177 | 7-707 | 40923 | 20 | 23-435 | 16-148 |
| 40612 | 12 | 5-876 | 8-082 | 40684 | 13 | 3-632 | 17-939 | | | | | 40852 | 17 | 3-381 | 8-616 | 40924 | 16 | 23-878 | 16-888 |
| 40613 | 11 | 15-169 | 8-320 | 40685 | 21 | 14-526 | 17-390 | | | | | 40853 | 17 | 5-590 | 8-734 | 40925 | 29 | 1-652 | 17-412 |
| 40614 | 12 | 20-473 | 8-290 | 40686 | 12 | 16-625 | 17-204 | | | | | 40854 | 12 | 13-510 | 8-218 | 40926 | 17 | 2-166 | 17-838 |
| 40615 | 25 | 20-737 | 8-983 | 40687 | 10 | 18-010 | 17-458 | | | | | 40855 | 23 | 14-330 | 8-144 | 40927 | 15 | 8-124 | 17-311 |
| 40616 | 21 | 25-558 | 8-677 | 40688 | 11 | 18-891 | 17-936 | | | | | 40856 | 41 | 20-477 | 8-442 | 40928 | 13 | 15-722 | 17-904 |
| 40617 | 10 | 3-207 | 9-116 | 40689 | 20 | 23-682 | 17-444 | | | | | 40857 | 32 | 22-016 | 8-594 | 40929 | 11 | 18-069 | 17-709 |
| 40618 | 11 | 7-299 | 9-904 | 40690 | 14 | 24-186 | 17-878 | | | | | 40858 | 27 | 22-766 | 8-646 | 40930 | 16 | 20-490 | 17-706 |
| 40619 | 14 | 8-155 | 9-014 | 40691 | 10 | 4-719 | 18-200 | | | | | 40859 | 35 | 24-059 | 8-806 | 40931 | 13 | 23-198 | 17-279 |
| 40620 | 13 | 8-304 | 9-648 | 40692 | 26 | 5-766 | 18-159 | | | | | 40860 | 37 | 6-002 | 9-117 | 40932 | 21 | 3-102 | 18-132 |
| 40621 | 14 | 10-792 | 9-326 | 40693 | 10 | 5-911 | 18-664 | | | | | 40861 | 38 | 6-708 | 9-254 | 40933 | 18 | 3-816 | 18-852 |
| 40622 | 12 | 11-257 | 9-190 | 40694 | 40 | 7-447 | 18-078 | | | | | 40862 | 12 | 11-592 | 9-632 | 40934 | 24 | 10-866 | 18-013 |
| 40623 | 26 | 15-252 | 9-382 | 40695 | 31 | 11-840 | 18-185 | | | | | 40863 | 31 | 19-062 | 9-429 | 40935 | 94 | 12-468 | 18-296 |
| 40624 | 26 | 18-690 | 9-161 | 40696 | 94 | 12-501 | 18-212 | | | | | 40864 | 16 | 22-892 | 9-620 | 40936 | 96 | 12-568 | 18-346 |
| 40625 | 11 | 18-740 | 9-501 | 40697 | 16 | 14-950 | 18-832 | | | | | 40865 | 17 | 22-972 | 9-496 | 40937 | 25 | 16-584 | 18-632 |
| 40626 | 17 | 18-874 | 9-152 | 40698 | 18 | 16-370 | 18-876 | | | | | 40866 | 14 | 23-896 | 9-365 | 40938 | 16 | 25-374 | 18-878 |
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| 40630 | 38 | 7-108 | 10-604 | 40702 | 14 | 25-817 | 18-921 | | | | | 40870 | 48 | 10-727 | 10-804 | 40942 | 14 | 8-186 | 19-388 |
| 40631 | 17 | 12-160 | 10-476 | 40703 | 10 | 3-910 | 19-500 | | | | | 40871 | 18 | 12-640 | 10-116 | 40943 | 17 | 19-966 | 19-015 |
| 40632 | 25 | 19-863 | 10-653 | 40704 | 10 | 5-262 | 19-200 | | | | | 40872 | 15 | 18-877 | 10-084 | 40944 | 16 | 21-810 | 19-260 |
| 40633 | 70 | 21-868 | 10-923 | 40705 | 22 | 6-254 | 19-930 | | | | | 40873 | 16 | 19-094 | 10-246 | 40945 | 48 | 8-382 | 20-568 |
| 40634 | 13 | 9-230 | 11-310 | 40706 | 27 | 21-723 | 19-432 | | | | | 40874 | 44 | 19-488 | 10-500 | 40946 | 12 | 7-993 | 20-582 |
| 40635 | 13 | 9-524 | 11-209 | 40707 | 14 | 23-050 | 19-370 | | | | | 40875 | 17 | 24-690 | 10-756 | 40947 | 20 | 11-384 | 20-750 |
| 40636 | 23 | 14-356 | 11-208 | 40708 | 14 | 0-088 | 20-157 | | | | | 40876 | 56 | 1-465 | 11-030 | 40948 | 11 | 11-905 | 20-778 |
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| 40642 | 10 | 1-802 | 12-214 | 40714 | 56 | 2-997 | 21-032 | | | | | 40882 | 18 | 14-835 | 11-372 | 40954 | 20 | 21-464 | 20-810 |
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| 40648 | 38 | 12-568 | 12-616 | 40720 | 11 | 21-783 | 21-094 | | | | | 40888 | 24 | 16-790 | 12-389 | 40960 | 34 | 13-019 | 21-314 |
| 40649 | 20 | 17-536 | 12-454 | 40721 | 10 | 23-069 | 21-542 | | | | | 40889 | 14 | 23-268 | 12-961 | 40961 | 33 | 25-736 | 21-780 |
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| 40651 | 30 | 24-704 | 12-036 | 40723 | 23 | 7-493 | 22-148 | | | | | 40891 | 16 | 10-632 | 13-250 | 40963 | 28 | 2-194 | 22-520 |
| 40652 | 18 | 4-842 | 13-551 | 40724 | 13 | 10-356 | 22-695 | | | | | 40892 | 44 | 13-401 | 13-084 | 40964 | 20 | 8-248 | 22-808 |
| 40653 | 11 | 5-434 | 13-073 | 40725 | 23 | 12-092 | 22-078 | | | | | 40893 | 24 | 15-380 | 13-891 | 40965 | 20 | 16-890 | 22-062 |
| 40654 | 17 | 7-445 | 13-892 | 40726 | 26 | 16-878 | 22-272 | | | | | 40894 | 15 | 18-776 | 13-750 | 40966 | 36 | 22-864 | 22-894 |
| 40655 | 18 | 9-146 | 13-267 | 40727 | 14 | 18-472 | 22-416 | | | | | 40895 | 24 | 20-326 | 13-412 | 40967 | 39 | 25-725 | 22-754 |
| 40656 | 41 | 15-208 | 13-534 | 40728 | 12 | 23-528 | 22-634 | | | | | 40896 | 15 | 24-446 | 13-714 | 40968 | 26 | 5-076 | 23-523 |
| 40657 | 10 | 23-786 | 13-230 | 40729 | 22 | 2-413 | 22-558 | | | | | 40897 | 32 | 25-100 | 13-732 | 40969 | 18 | 8-606 | 23-798 |
| 40658 | 16 | 24-676 | 13-660 | 40730 | 10 | 0-724 | 23-538 | | | | | 40898 | 56 | 1-554 | 14-974 | 40970 | 21 | 8-642 | 23-051 |
| 40659 | 11 | 7-016 | 14-430 | 40731 | 15 | 16-110 | 23-938 | | | | | 40899 | 14 | 4-281 | 14-329 | 40971 | 16 | 10-364 | 23-540 |
| 40660 | 52 | 14-280 | 14-324 | 40732 | 23 | 16-118 | 23-968 | | | | | 40900 | 42 | 6-824 | 14-686 | 40972 | 14 | 10-570 | 23-502 |
| 40661 | 13 | 14-450 | 14-060 | 40733 | 22 | 18-932 | 23-284 | | | | | 40901 | 57 | 9-653 | 14-999 | 40973 | 34 | 20-528 | 23-392 |
| 40662 | 28 | 16-922 | 14-564 | 40734 | 32 | 10-886 | 23-854 | | | | | 40902 | 39 | 15-062 | 14-176 | 40974 | 14 | 22-128 | 23-059 |
| 40663 | 18 | 20-858 | 14-064 | 40735 | 25 | 21-117 | 23-728 | | | | | 40903 | 17 | 16-324 | 14-692 | 40975 | 50 | 3-547 | 24-512 |
| 40664 | 15 | 23-452 | 14-630 | 40736 | 11 | 21-246 | 23-554 | | | | | 40904 | 16 | 18-248 | 14-428 | 40976 | 54 | 4-268 | 24-325 |
| 40665 | 14 | 2-088 | 15-236 | 40737 | 18 | 0-370 | 24-905 | | | | | 40905 | 35 | 18-284 | 14-063 | 40977 | 19 | 6-604 | 24-116 |
| 40666 | 12 | 10-278 | 15-091 | 40738 | 30 | 4-619 | 24-314 | | | | | 40906 | 14 | 0-500 | 15-506 | 40978 | 18 | 10-316 | 24-110 |
| 40667 | 18 | 13-000 | 15-646 | 40739 | 19 | 4-869 | 24-544 | | | | | 40907 | 17 | 2-154 | 15-744 | 40979 | 31 | 12-284 | 24-174 |
| 40668 | 10 | 20-366 | 15-385 | 40740 | 12 | 5-354 | 24-767 | | | | | 40908 | 32 | 2-543 | 15-798 | 40980 | 24 | 8-658 | 25-484 |
| 40669 | 12 | 22-560 | 15-518 | 40741 | 10 | 8-088 | 24-409 | | | | | 40909 | 14 | 3-170 | 15-360 | 40981 | 28 | 9-508 | 25-890 |
| 40670 | 12 | 23-442 | 15-370 | 40742 | 20 | 11-808 | 24-760 | | | | | 40910 | 38 | 8-721 | 15-763 | 40982 | 19 | 9-631 | 25-580 |
| 40671 | 60 | 23-626 | 15-001 | 40743 | 42 | 12-053 | 24-146 | | | | | 40911 | 17 | 15-318 | 15-741 | 40983 | 38 | 11-198 | 25-220 |
| 40672 | 15 | 24-208 | 15-782 | 40744 | 25 | 15-106 | 24-338 | | | | | 40912 | 39 | 17-251 | 15-336 | 40984 | 20 | 15-062 | 25-278 |
| 40673 | 22 | 24-598 | 15-844 | 40745 | 24 | 17-610 | 24-833 | | | | | 40913 | 41 | 23-730 | 15-581 | 40985 | 23 | 15-070 | 25-324 |
| 40674 | 12 | 4-707 | 16-584 | 40746 | 45 | 25-452 | 24-574 | | | | | 40914 | 18 | 24-638 | 15-536 | | | | |

R.A. 14^h 28^m

Plate 1010; 1917 April 20.

Provisional Constants.

A B C
-02560 +00122 +4456

D E F
-00119 -02587 -00355

Mag. = 16.0 - 1.09√d

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| 41002 | 11 | 8.935 | 0.232 |
| 41003 | 16 | 10.416 | 0.534 |
| 41004 | 18 | 13.724 | 0.518 |
| 41005 | 23 | 21.466 | 0.482 |
| 41006 | 29 | 22.046 | 0.608 |
| 41007 | 11 | 5.586 | 1.740 |
| 41008 | 20 | 9.248 | 1.612 |
| 41009 | 30 | 10.458 | 1.509 |
| 41010 | 10 | 12.349 | 1.640 |
| 41011 | 12 | 17.384 | 1.919 |
| 41012 | 22 | 19.005 | 1.561 |
| 41013 | 22 | 12.56 | 2.663 |
| 41014 | 15 | 2.584 | 2.181 |
| 41015 | 9 | 8.648 | 2.394 |
| 41016 | 9 | 14.828 | 2.945 |
| 41017 | 10 | 14.848 | 2.931 |
| 41018 | 14 | 21.132 | 2.080 |
| 41019 | 22 | 15.28 | 3.879 |
| 41020 | 15 | 4.244 | 3.773 |
| 41021 | 35 | 7.748 | 3.957 |
| 41022 | 10 | 4.749 | 4.952 |
| 41023 | 18 | 9.677 | 4.193 |
| 41024 | 13 | 10.649 | 4.010 |
| 41025 | 11 | 12.322 | 4.759 |
| 41026 | 16 | 12.322 | 4.658 |
| 41027 | 20 | 16.804 | 4.906 |
| 41028 | 31 | 17.298 | 4.468 |
| 41029 | 22 | 25.513 | 4.350 |
| 41030 | 11 | 3.270 | 5.152 |
| 41031 | 22 | 4.509 | 5.309 |
| 41032 | 10 | 6.326 | 5.350 |
| 41033 | 10 | 6.910 | 5.786 |
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| 41035 | 36 | 17.767 | 5.418 |
| 41036 | 29 | 21.500 | 5.585 |
| 41037 | 10 | 22.832 | 5.494 |
| 41038 | 21 | 0.573 | 6.264 |
| 41039 | 8 | 9.232 | 6.753 |
| 41040 | 10 | 11.649 | 6.379 |
| 41041 | 12 | 12.095 | 6.274 |
| 41042 | 28 | 22.106 | 6.097 |
| 41043 | 10 | 24.360 | 6.932 |
| 41044 | 12 | 12.518 | 7.510 |
| 41045 | 10 | 12.530 | 7.548 |
| 41046 | 28 | 13.266 | 7.237 |
| 41047 | 9 | 18.843 | 7.411 |
| 41048 | 33 | 19.304 | 7.154 |
| 41049 | 15 | 0.668 | 8.174 |
| 41050 | 14 | 4.262 | 8.316 |
| 41051 | 12 | 5.604 | 8.072 |
| 41052 | 10 | 8.296 | 8.000 |
| 41053 | 13 | 20.299 | 8.766 |
| 41054 | 17 | 23.264 | 8.873 |
| 41055 | 20 | 0.663 | 9.020 |

R.A. 14^h 36^m

Plate 1036; 1917 April 19.

Provisional Constants.

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-02580 +00805 -00660

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-00840 -02582 -1742

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| 41207 | 14 | 24.200 | 0.949 |
| 41208 | 14 | 7.404 | 1.216 |
| 41209 | 31 | 7.725 | 1.043 |
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| 41211 | 16 | 13.511 | 1.248 |
| 41212 | 10 | 21.154 | 1.326 |
| 41213 | 16 | 22.826 | 1.598 |
| 41214 | 23 | 25.099 | 1.326 |
| 41215 | 10 | 0.112 | 2.331 |
| 41216 | 16 | 6.512 | 2.691 |
| 41217 | 16 | 7.346 | 2.691 |
| 41218 | 11 | 9.584 | 2.619 |
| 41219 | 21 | 12.936 | 2.303 |
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| 41221 | 18 | 14.672 | 2.734 |
| 41222 | 11 | 15.968 | 2.094 |
| 41223 | 10 | 15.955 | 2.478 |
| 41224 | 11 | 18.554 | 2.178 |
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| 41226 | 20 | 21.287 | 2.389 |
| 41227 | 25 | 25.775 | 3.923 |
| 41228 | 49 | 13.287 | 3.524 |
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| 41231 | 8 | 17.497 | 3.927 |
| 41232 | 12 | 20.548 | 3.404 |
| 41233 | 10 | 21.957 | 3.005 |
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| 41235 | 26 | 24.628 | 3.770 |
| 41236 | 12 | 25.932 | 3.446 |
| 41237 | 25 | 3.172 | 4.242 |
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| 41240 | 18 | 12.668 | 4.130 |
| 41241 | 10 | 15.167 | 4.130 |
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| 41244 | 42 | 10.935 | 5.032 |
| 41245 | 9 | 16.822 | 5.560 |
| 41246 | 16 | 17.579 | 5.301 |
| 41247 | 10 | 19.180 | 5.028 |
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| 41251 | 10 | 2.074 | 6.838 |
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| 41254 | 39 | 18.099 | 6.840 |
| 41255 | 38 | 23.831 | 6.844 |

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| 41256 | 15 | 24.282 | 6.062 |
| 41257 | 42 | 24.660 | 6.971 |
| 41258 | 9 | 24.697 | 6.092 |
| 41259 | 19 | 4.641 | 7.216 |
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| 41264 | 21 | 15.448 | 7.230 |
| 41265 | 35 | 17.746 | 7.962 |
| 41266 | 10 | 18.116 | 7.460 |
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| 41268 | 9 | 24.770 | 7.685 |
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| 41271 | 8 | 18.740 | 8.232 |
| 41272 | 11 | 21.478 | 8.674 |
| 41273 | 10 | 21.796 | 8.152 |
| 41274 | 40 | 23.716 | 8.248 |
| 41275 | 8 | 5.307 | 9.658 |
| 41276 | 13 | 6.385 | 9.550 |
| 41277 | 18 | 15.682 | 9.974 |
| 41278 | 10 | 19.278 | 9.348 |
| 41279 | 10 | 25.011 | 9.491 |
| 41280 | 10 | 2.172 | 10.520 |
| 41281 | 9 | 2.710 | 10.146 |
| 41282 | 28 | 6.069 | 10.305 |
| 41283 | 10 | 8.862 | 10.606 |
| 41284 | 11 | 13.326 | 10.468 |
| 41285 | 9 | 19.688 | 10.942 |
| 41286 | 12 | 22.844 | 10.104 |
| 41287 | 10 | 25.811 | 10.107 |
| 41288 | 20 | 7.186 | 11.276 |
| 41289 | 40 | 9.921 | 11.686 |
| 41290 | 9 | 8.056 | 11.824 |
| 41291 | 32 | 9.597 | 11.814 |
| 41292 | 8 | 10.682 | 11.645 |
| 41293 | 23 | 11.856 | 11.612 |
| 41294 | 67 | 15.906 | 11.034 |
| 41295 | 8 | 16.329 | 11.468 |
| 41296 | 14 | 22.358 | 11.034 |
| 41297 | 12 | 22.954 | 11.802 |
| 41298 | 13 | 23.140 | 11.596 |
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| 41301 | 34 | 6.280 | 12.743 |
| 41302 | 9 | 15.295 | 12.184 |
| 41303 | 11 | 16.912 | 12.012 |
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| 41307 | 10 | 5.168 | 13.717 |
| 41308 | 16 | 6.014 | 13.790 |
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| 41312 | 10 | 16.233 | 13.334 |
| 41313 | 10 | 18.386 | 13.882 |
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| 41317 | 28 | 8.186 | 14.888 |
| 41318 | 10 | 12.680 | 14.859 |
| 41319 | 11 | 13.626 | 14.788 |
| 41320 | 13 | 19.498 | 14.677 |
| 41321 | 8 | 20.390 | 14.328 |
| 41322 | 8 | 21.804 | 14.751 |
| 41323 | 24 | 22.328 | 14.392 |
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| 41325 | 4 | 1.693 | 15.166 |
| 41326 | 15 | 3.835 | 15.148 |
| 41327 | 16 | 3.861 | 15.113 |

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| 41328 | 9 | 7-711 | 15-416 | 41400 | 8 | 5-528 | 22-348 | 41455 | 24 | 17-335 | 0-926 | 41527 | 45 | 23-548 | 9-504 | 41599 | 28 | 7-564 | 20-269 |
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| 41330 | 10 | 15-817 | 15-215 | 41402 | 16 | 8-914 | 22-678 | 41457 | 17 | 20-850 | 0-511 | 41529 | 10 | 0-516 | 10-530 | 41601 | 14 | 11-154 | 20-054 |
| 41331 | 13 | 20-082 | 15-319 | 41403 | 23 | 10-118 | 22-092 | 41458 | 17 | 20-910 | 0-445 | 41530 | 14 | 8-599 | 10-150 | 41602 | 16 | 16-087 | 20-842 |
| 41332 | 20 | 22-701 | 15-502 | 41404 | 12 | 12-452 | 22-704 | 41459 | 27 | 22-736 | 0-237 | 41531 | 38 | 14-950 | 10-254 | 41603 | 31 | 17-645 | 20-676 |
| 41333 | 13 | 3-256 | 16-024 | 41405 | 19 | 18-088 | 22-052 | 41460 | 9 | 23-819 | 0-110 | 41532 | 25 | 19-415 | 10-120 | 41604 | 14 | 20-427 | 20-460 |
| 41334 | 12 | 6-818 | 16-986 | 41406 | 19 | 18-088 | 22-264 | 41461 | 12 | 1-856 | 1-559 | 41533 | 9 | 19-591 | 10-588 | 41605 | 12 | 21-026 | 20-217 |
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| 41336 | 14 | 12-210 | 16-403 | 41408 | 8 | 3-762 | 23-833 | 41463 | 24 | 2-671 | 1-725 | 41535 | 23 | 3-908 | 11-074 | 41607 | 26 | 7-183 | 21-828 |
| 41337 | 11 | 13-008 | 16-250 | 41409 | 23 | 5-210 | 23-981 | 41464 | 24 | 6-130 | 1-982 | 41536 | 41 | 4-925 | 11-813 | 41608 | 17 | 7-651 | 21-980 |
| 41338 | 15 | 16-668 | 16-384 | 41410 | 41 | 6-430 | 23-280 | 41465 | 33 | 6-246 | 1-748 | 41537 | 8 | 18-228 | 11-926 | 41609 | 16 | 15-448 | 21-573 |
| 41339 | 24 | 18-120 | 16-678 | 41411 | 11 | 8-377 | 23-445 | 41466 | 23 | 7-000 | 1-149 | 41538 | 10 | 0-050 | 12-304 | 41610 | 25 | 21-240 | 21-704 |
| 41340 | 10 | 21-788 | 16-971 | 41412 | 8 | 14-127 | 23-198 | 41467 | 8 | 7-556 | 1-496 | 41539 | 9 | 0-812 | 12-344 | 41611 | 13 | 4-215 | 22-726 |
| 41341 | 12 | 23-788 | 16-046 | 41413 | 20 | 23-816 | 23-875 | 41468 | 8 | 11-214 | 1-186 | 41540 | 23 | 4-250 | 12-620 | 41612 | 21 | 8-826 | 22-540 |
| 41342 | 10 | 24-942 | 16-044 | 41414 | 44 | 2-366 | 24-107 | 41469 | 11 | 15-126 | 1-354 | 41541 | 18 | 7-755 | 12-684 | 41613 | 9 | 10-275 | 22-748 |
| 41343 | 12 | 25-696 | 16-533 | 41415 | 10 | 3-209 | 24-137 | 41470 | 15 | 18-559 | 1-114 | 41542 | 15 | 9-827 | 12-982 | 41614 | 17 | 10-796 | 22-390 |
| 41344 | 10 | 25-936 | 16-626 | 41416 | 9 | 3-412 | 24-024 | 41471 | 10 | 0-400 | 2-026 | 41543 | 11 | 11-024 | 12-506 | 41615 | 9 | 15-977 | 22-023 |
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| 41346 | 8 | 6-768 | 17-544 | 41418 | 9 | 9-566 | 24-849 | 41473 | 10 | 12-066 | 2-754 | 41545 | 9 | 20-356 | 12-176 | 41617 | 30 | 1-038 | 23-216 |
| 41347 | 8 | 9-557 | 17-144 | 41419 | 21 | 10-504 | 24-502 | 41474 | 9 | 14-254 | 2-520 | 41546 | 14 | 21-423 | 12-146 | 41618 | 10 | 5-367 | 23-052 |
| 41348 | 10 | 14-416 | 17-226 | 41420 | 8 | 11-356 | 24-699 | 41475 | 52 | 17-861 | 2-092 | 41547 | 17 | 3-452 | 13-262 | 41619 | 31 | 10-374 | 23-556 |
| 41349 | 8 | 14-478 | 17-350 | 41421 | 20 | 12-680 | 24-175 | 41476 | 41 | 18-051 | 2-098 | 41548 | 9 | 6-235 | 13-752 | 41620 | 10 | 11-205 | 23-038 |
| 41350 | 34 | 16-560 | 17-931 | 41422 | 8 | 13-744 | 24-711 | 41477 | 20 | 23-074 | 2-062 | 41549 | 43 | 12-476 | 13-704 | 41621 | 13 | 14-984 | 23-156 |
| 41351 | 16 | 19-167 | 17-886 | 41423 | 11 | 16-155 | 24-886 | 41478 | 9 | 1-508 | 3-581 | 41550 | 10 | 15-044 | 13-705 | 41622 | 31 | 18-388 | 23-926 |
| 41352 | 12 | 21-150 | 17-050 | 41424 | 11 | 17-956 | 24-536 | 41479 | 9 | 3-055 | 3-438 | 41551 | 47 | 16-100 | 13-374 | 41623 | 12 | 20-064 | 23-870 |
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| 41354 | 12 | 2-372 | 18-081 | 41426 | 40 | 21-282 | 24-730 | 41481 | 12 | 20-024 | 3-817 | 41553 | 13 | 23-334 | 13-722 | 41625 | 15 | 20-596 | 23-989 |
| 41355 | 49 | 4-968 | 18-428 | 41427 | 20 | 22-486 | 24-771 | 41482 | 24 | 20-838 | 3-044 | 41554 | 10 | 25-043 | 13-582 | 41626 | 10 | 0-462 | 24-569 |
| 41356 | 13 | 10-370 | 18-392 | 41428 | 12 | 22-625 | 24-141 | 41483 | 47 | 22-219 | 3-795 | 41555 | 35 | 25-756 | 13-422 | 41627 | 17 | 1-650 | 24-290 |
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| 41358 | 13 | 13-244 | 18-930 | 41430 | 20 | 25-286 | 24-518 | 41485 | 8 | 10-668 | 4-138 | 41557 | 28 | 6-580 | 14-206 | 41629 | 8 | 5-751 | 24-872 |
| 41359 | 11 | 16-372 | 18-972 | 41431 | 16 | 1-312 | 25-540 | 41486 | 33 | 16-330 | 4-505 | 41558 | 32 | 12-953 | 14-923 | 41630 | 13 | 6-187 | 24-812 |
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| 41362 | 12 | 21-855 | 18-570 | 41434 | 10 | 7-228 | 25-620 | 41489 | 34 | 17-074 | 4-027 | 41561 | 9 | 25-670 | 14-828 | 41633 | 13 | 19-350 | 24-595 |
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| 41379 | 18 | 16-108 | 20-890 | | | | | 41506 | 14 | 17-442 | 6-190 | 41578 | 31 | 5-018 | 17-313 | | | | |
| 41380 | 11 | 19-388 | 20-442 | | | | | 41507 | 8 | 20-848 | 6-568 | 41579 | 9 | 9-784 | 17-756 | | | | |
| 41381 | 10 | 3-210 | 21-746 | | | | | 41508 | 45 | 2-292 | 7-376 | 41580 | 23 | 12-494 | 17-984 | | | | |
| 41382 | 20 | 4-800 | 21-439 | | | | | 41509 | 28 | 2-056 | 7-564 | 41581 | 28 | 14-198 | 17-953 | | | | |
| 41383 | 19 | 5-303 | 21-237 | | | | | 41510 | 27 | 8-072 | 7-675 | 41582 | 29 | 14-992 | 17-192 | | | | |
| 41384 | 32 | 7-086 | 21-196 | | | | | 41511 | 10 | 11-978 | 7-297 | 41583 | 9 | 17-802 | 17-804 | | | | |
| 41385 | 32 | 8-556 | 21-214 | | | | | 41512 | 40 | 12-720 | 7-088 | 41584 | 9 | 20-655 | 17-586 | | | | |
| 41386 | 11 | 9-826 | 21-518 | | | | | 41513 | 25 | 22-062 | 7-871 | 41585 | 9 | 4-814 | 18-236 | | | | |
| 41387 | 20 | 10-306 | 21-220 | | | | | 41514 | 9 | 22-114 | 7-500 | 41586 | 80 | 12-104 | 18-340 | | | | |
| 41388 | 10 | 11-880 | 21-192 | | | | | 41515 | 42 | 25-580 | 7-255 | 41587 | 25 | 16-238 | 18-180 | | | | |
| 41389 | 33 | 13-083 | 21-484 | | | | | 41516 | 41 | 1-364 | 8-664 | 41588 | 17 | 20-826 | 18-050 | | | | |
| 41390 | 12 | 14-296 | 21-307 | | | | | 41517 | 8 | 2-417 | 8-086 | 41589 | 12 | 23-355 | 18-258 | | | | |
| 41391 | 27 | 16-011 | 21-698 | | | | | 41518 | 21 | 3-926 | 8-000 | 41590 | 16 | 4-808 | 19-156 | | | | |
| 41392 | 9 | 17-550 | 21-744 | | | | | 41519 | 29 | 4-624 | 8-915 | 41591 | 22 | 5-596 | 19-134 | | | | |
| 41393 | 9 | 17-604 | 21-824 | | | | | 41520 | 15 | 20-534 | 8-100 | 41592 | 10 | 7-594 | 19-472 | | | | |
| 41394 | 9 | 19-602 | 21-756 | | | | | 41521 | 10 | 24-452 | 8-524 | 41593 | 9 | 8-794 | 19-428 | | | | |
| 41395 | 18 | 20-228 | 21-080 | | | | | 41522 | 11 | 3-735 | 9-134 | 41594 | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--------|----|------------|------------|--------|----|-------------|------------|---|----|------------|------------|--------|----|------------|-----------|--------|----|------------|-------------|
| 41657 | 10 | 20° 9' 38" | 0° 6' 80" | 41729 | 17 | 24° 7' 10" | 13° 42' 6" | 41801 | 11 | 20° 25' 4" | 24° 7' 66" | 41891* | 37 | 1° 06' 4" | 5° 7' 66" | 41963* | 40 | 11° 49' 0" | 15° 14' 1" |
| 41658 | 12 | 21° 0' 86" | 0° 8' 03" | 41730 | 24 | 5° 8' 16" | 14° 9' 00" | 41802 | 12 | 23° 9' 83" | 24° 0' 98" | 41892 | 13 | 10° 11' 4" | 5° 5' 64" | 41964 | 13 | 18° 0' 45" | 15° 6' 54" |
| 41659 | 10 | 11° 1' 07" | 1° 16' 0" | 41731 | 23 | 16° 44' 7" | 14° 6' 30" | 41803* | 31 | 24° 7' 26" | 24° 9' 16" | 41893 | 10 | 12° 6' 55" | 5° 0' 90" | 41965 | 9 | 21° 0' 42" | 15° 6' 63" |
| 41660 | 5 | 11° 2' 09" | 1° 24' 8" | 41732 | 10 | 17° 1' 88" | 14° 8' 52" | 41804 | 10 | 25° 7' 00" | 24° 6' 70" | 41894 | 8 | 13° 1' 97" | 5° 12' 0" | 41966 | 10 | 23° 21' 4" | 15° 4' 44" |
| 41661 | 23 | 11° 4' 00" | 1° 8' 38" | 41733 | 11 | 17° 5' 98" | 14° 5' 74" | 41805 | 45 | 9° 8' 86" | 25° 9' 35" | 41895 | 13 | 15° 8' 20" | 5° 27' 8" | 41967 | 10 | 2° 49' 4" | 16° 32' 26" |
| 41662 | 12 | 11° 8' 00" | 1° 0' 16" | 41734 | 10 | 19° 0' 10" | 14° 0' 80" | 41806 | 51 | 10° 11' 4" | 25° 2' 56" | 41896 | 23 | 16° 4' 54" | 5° 8' 24" | 41968 | 13 | 10° 46' 2" | 16° 37' 5" |
| 41663* | 30 | 21° 0' 06" | 1° 3' 76" | 41735 | 27 | 25° 6' 89" | 14° 4' 17" | 41807 | 27 | 15° 14' 1" | 25° 18' 4" | 41897 | 16 | 22° 46' 2" | 5° 24' 7" | 41969 | 12 | 17° 42' 2" | 16° 11' 12" |
| 41664 | 25 | 15° 4' 02" | 2° 8' 16" | 41736* | 27 | 10° 1' 90" | 15° 4' 16" | 41808 | 11 | 20° 8' 28" | 25° 7' 22" | 41898 | 8 | 2° 36' 8" | 6° 7' 35" | 41970 | 10 | 17° 52' 3" | 16° 25' 2" |
| 41665 | 45 | 0° 1' 56" | 3° 88' 4" | 41737 | 10 | 10° 7' 36" | 15° 3' 50" | | | | | 41899 | 20 | 4° 30' 3" | 6° 8' 54" | 41971 | 10 | 10° 88' 7" | 16° 17' 7" |
| 41666 | 12 | 1° 0' 06" | 3° 04' 6" | 41738 | 12 | 11° 2' 88" | 15° 7' 62" | | | | | 41900 | 16 | 4° 60' 4" | 6° 5' 40" | 41972 | 8 | 0° 8' 02" | 17° 6' 18" |
| 41667 | 10 | 0° 0' 87" | 3° 66' 7" | 41739 | 12 | 15° 9' 53" | 15° 7' 34" | | | | | 41901 | 12 | 11° 37' 3" | 6° 68' 4" | 41973 | 15 | 3° 7' 13" | 17° 5' 68" |
| 41668 | 11 | 0° 5' 19" | 3° 28' 0" | 41740* | 21 | 18° 22' 20" | 15° 3' 08" | | | | | 41902 | 16 | 11° 9' 06" | 6° 35' 0" | 41974 | 16 | 4° 37' 7" | 17° 78' 4" |
| 41669 | 12 | 10° 2' 04" | 3° 68' 0" | 41741 | 25 | 22° 30' 4" | 15° 0' 40" | | | | | 41903 | 11 | 3° 22' 4" | 7° 9' 84" | 41975 | 9 | 0° 0' 07" | 17° 27' 6" |
| 41670 | 10 | 12° 6' 05" | 3° 67' 0" | 41742 | 14 | 2° 80' 9" | 16° 4' 08" | | | | | 41904 | 11 | 4° 62' 0" | 7° 14' 8" | 41976 | 8 | 9° 9' 00" | 17° 04' 0" |
| 41671 | 13 | 13° 1' 34" | 3° 30' 4" | 41743 | 18 | 9° 244' | 16° 0' 40" | | | | | 41905 | 15 | 11° 5' 16" | 7° 21' 8" | 41977 | 8 | 11° 244' | 17° 43' 4" |
| 41672* | 51 | 20° 2' 74" | 3° 48' 3" | 41744* | 33 | 15° 3' 00" | 16° 3' 30" | | | | | 41906 | 11 | 13° 8' 18" | 7° 18' 0" | 41978 | 20 | 11° 7' 96" | 17° 50' 8" |
| 41673 | 10 | 6° 2' 41" | 4° 7' 59" | 41745 | 14 | 18° 3' 90" | 16° 0' 58" | <div style="text-align: center;">R.A. 15^h 0^m Plate 1045; 1917 May 19. <i>Provisional Constants.</i> A B C -02571 +00424 -1689 D E F -00424 -02591 -0008 Mag. = 15.6 - 1.09√Δ</div> | | | | | | | | | | | |
| 41674 | 21 | 15° 8' 03" | 4° 81' 3" | 41746 | 12 | 23° 0' 62" | 16° 52' 0" | | | | | | | | | | | | |
| 41675 | 12 | 17° 8' 16" | 4° 55' 8" | 41747 | 10 | 24° 7' 00" | 16° 13' 5" | | | | | | | | | | | | |
| 41676 | 22 | 20° 7' 44" | 4° 0' 00" | 41748 | 10 | 19° 8' 35" | 17° 43' 6" | | | | | | | | | | | | |
| 41677 | 15 | 21° 7' 01" | 4° 25' 0" | 41749 | 8 | 23° 14' 6" | 17° 11' 6" | | | | | | | | | | | | |
| 41678 | 16 | 0° 3' 82" | 5° 68' 0" | 41750 | 16 | 25° 0' 68" | 18° 38' 8" | | | | | | | | | | | | |
| 41679* | 20 | 2° 0' 32" | 5° 04' 0" | 41751 | 11 | 1° 43' 8" | 18° 33' 8" | | | | | | | | | | | | |
| 41680 | 12 | 9° 3' 36" | 4° 0' 40" | 41752* | 27 | 9° 9' 57" | 18° 57' 6" | | | | | | | | | | | | |
| 41681 | 27 | 15° 4' 02" | 5° 3' 00" | 41753 | 10 | 10° 5' 86" | 18° 23' 2" | | | | | | | | | | | | |
| 41682 | 12 | 20° 3' 52" | 5° 24' 3" | 41754 | 9 | 12° 14' 6" | 18° 12' 2" | | | | | | | | | | | | |
| 41683* | 43 | 23° 4' 32" | 5° 56' 1" | 41755 | 10 | 13° 5' 66" | 18° 9' 14" | | | | | | | | | | | | |
| 41684 | 17 | 5° 8' 80" | 6° 77' 2" | 41756 | 18 | 14° 13' 1" | 18° 37' 9" | | | | | | | | | | | | |
| 41685* | 51 | 9° 0' 32" | 6° 0' 88" | 41757 | 14 | 14° 61' 4" | 18° 0' 84" | | | | | | | | | | | | |
| 41686 | 13 | 10° 5' 30" | 6° 87' 2" | 41758* | 36 | 16° 8' 72" | 18° 77' 0" | | | | | | | | | | | | |
| 41687 | 24 | 11° 1' 09" | 6° 87' 8" | 41759 | 20 | 16° 9' 36" | 18° 51' 4" | | | | | | | | | | | | |
| 41688 | 9 | 12° 6' 61" | 6° 72' 6" | 41760 | 22 | 17° 27' 4" | 18° 29' 0" | | | | | | | | | | | | |
| 41689 | 13 | 13° 44' 7" | 6° 41' 1" | 41761 | 10 | 17° 34' 8" | 18° 15' 8" | | | | | | | | | | | | |
| 41690 | 15 | 13° 4' 69" | 6° 44' 6" | 41762* | 34 | 18° 44' 5" | 18° 57' 6" | | | | | | | | | | | | |
| 41691 | 10 | 15° 16' 4" | 6° 32' 4" | 41763 | 10 | 25° 3' 10" | 18° 49' 2" | | | | | | | | | | | | |
| 41692 | 18 | 0° 0' 40" | 7° 0' 62" | 41764* | 60 | 17° 54' | 19° 23' 2" | | | | | | | | | | | | |
| 41693* | 35 | 3° 5' 52" | 7° 31' 4" | 41765* | 49 | 5° 6' 86" | 19° 68' 0" | | | | | | | | | | | | |
| 41694 | 11 | 9° 7' 48" | 7° 28' 4" | 41766 | 10 | 8° 9' 50" | 19° 73' 0" | | | | | | | | | | | | |
| 41695 | 10 | 10° 25' 8" | 7° 31' 8" | 41767 | 10 | 20° 45' 0" | 19° 85' 6" | | | | | | | | | | | | |
| 41696 | 21 | 20° 0' 26" | 7° 35' 8" | 41768 | 12 | 20° 8' 30" | 19° 68' 6" | | | | | | | | | | | | |
| 41697 | 10 | 0° 34' 6" | 8° 02' 6" | 41769 | 10 | 13° 0' 79" | 20° 06' 6" | | | | | | | | | | | | |
| 41698 | 10 | 2° 43' 0" | 8° 56' 8" | 41770 | 11 | 16° 57' 1" | 20° 65' 0" | | | | | | | | | | | | |
| 41699 | 12 | 5° 48' 4" | 8° 11' 6" | 41771 | 10 | 24° 48' 4" | 20° 18' 5" | | | | | | | | | | | | |
| 41700 | 19 | 7° 6' 12" | 8° 60' 4" | 41772 | 11 | 25° 3' 70" | 20° 05' 0" | | | | | | | | | | | | |
| 41701 | 12 | 8° 20' 8" | 8° 50' 0" | 41773 | 11 | 2° 70' 2" | 20° 15' 5" | | | | | | | | | | | | |
| 41702 | 11 | 9° 46' 8" | 8° 24' 7" | 41774* | 28 | 7° 14' 8" | 21° 15' 0" | | | | | | | | | | | | |
| 41703 | 13 | 14° 0' 34" | 8° 20' 0" | 41775* | 35 | 12° 43' 6" | 21° 06' 6" | | | | | | | | | | | | |
| 41704 | 19 | 20° 31' 5" | 8° 27' 0" | 41776 | 10 | 16° 51' 6" | 21° 54' 5" | | | | | | | | | | | | |
| 41705 | 28 | 24° 14' 6" | 8° 35' 0" | 41777* | 38 | 19° 22' 4" | 21° 27' 4" | | | | | | | | | | | | |
| 41706 | 25 | 25° 7' 41" | 8° 97' 4" | 41778 | 13 | 10° 54' 3" | 21° 08' 8" | | | | | | | | | | | | |
| 41707* | 42 | 1° 54' 0" | 9° 58' 4" | 41779 | 11 | 8° 200' | 22° 75' 4" | | | | | | | | | | | | |
| 41708 | 13 | 3° 57' 5" | 9° 67' 0" | 41780 | 16 | 13° 24' 2" | 22° 62' 4" | | | | | | | | | | | | |
| 41709 | 15 | 19° 31' 0" | 9° 06' 6" | 41781 | 10 | 17° 30' 2" | 22° 34' 0" | | | | | | | | | | | | |
| 41710 | 14 | 25° 1' 80" | 9° 50' 0" | 41782 | 15 | 18° 64' 8" | 22° 08' 7" | | | | | | | | | | | | |
| 41711 | 10 | 25° 40' 9" | 9° 16' 8" | 41783 | 10 | 19° 30' 0" | 22° 04' 0" | | | | | | | | | | | | |
| 41712 | 11 | 25° 71' 5" | 9° 27' 0" | 41784* | 49 | 25° 06' 0" | 22° 82' 0" | | | | | | | | | | | | |
| 41713 | 11 | 8° 64' 7" | 10° 35' 7" | 41785 | 27 | 25° 46' 8" | 22° 32' 0" | | | | | | | | | | | | |
| 41714* | 40 | 23° 38' 4" | 10° 52' 5" | 41786 | 8 | 6° 54' 3" | 23° 09' 4" | | | | | | | | | | | | |
| 41715 | 10 | 4° 77' 0" | 11° 02' 4" | 41787 | 14 | 6° 24' 2" | 23° 26' 8" | | | | | | | | | | | | |
| 41716 | 19 | 5° 12' 0" | 11° 70' 0" | 41788 | 17 | 9° 43' 2" | 23° 97' 4" | | | | | | | | | | | | |
| 41717 | 9 | 11° 44' 6" | 11° 06' 1" | 41789 | 16 | 13° 377' | 23° 02' 6" | | | | | | | | | | | | |
| 41718* | 30 | 16° 31' 6" | 11° 26' 0" | 41790 | 10 | 22° 33' 8" | 23° 81' 6" | | | | | | | | | | | | |
| 41719* | 40 | 18° 14' 0" | 11° 41' 1" | 41791 | 10 | 25° 96' 0" | 23° 86' 2" | | | | | | | | | | | | |
| 41720 | 16 | 10° 6' 75" | 12° 13' 6" | 41792 | 8 | 8° 367' | 24° 784" | | | | | | | | | | | | |
| 41721* | 37 | 17° 12' 0" | 12° 61' 4" | 41793* | 45 | 8° 688' | 24000" | | | | | | | | | | | | |
| 41722 | 12 | 18° 84' | 12° 46' 2" | 41794 | 9 | 8° 752' | 24951" | | | | | | | | | | | | |
| 41723 | 12 | 1° 36' 8" | 13° 80' 1" | 41795 | 13 | 11° 170' | 24955" | | | | | | | | | | | | |
| 41724 | 10 | 3° 67' 8" | 13° 64' 0" | 41796 | 10 | 14° 068' | 24816" | | | | | | | | | | | | |
| 41725 | 27 | 3° 79' 1" | 13° 48' 0" | 41797 | 10 | 15° 079' | 24156" | | | | | | | | | | | | |
| 41726 | 22 | 12° 8' 70" | 13° 34' 0" | 41798 | 11 | 18° 752' | 24250" | | | | | | | | | | | | |
| 41727 | 10 | 13° 26' 4" | 13° 04' 0" | 41799 | 28 | 18° 897' | 24176" | | | | | | | | | | | | |
| 41728 | 20 | 19° 71' 6" | 13° 88' 4" | 41800 | 14 | 19° 025' | 24114" | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--------|----|--------|--------|--------|-----|--------|--------|--------|----|--------|--------|--------|----|--------|-------|--------|----|--------|--------|
| 42035 | 9 | 18-726 | 23-131 | 42133* | 40 | 10-111 | 5-948 | 42205 | 17 | 1-871 | 18-756 | 42257 | 19 | 24-993 | 0-590 | 42329 | 25 | 8-485 | 9-430 |
| 42036 | 17 | 19-080 | 23-526 | 42134 | 20 | 12-613 | 5-772 | 42206* | 20 | 2-818 | 18-364 | 42258 | 16 | 1-410 | 1-248 | 42330 | 26 | 10-941 | 9-724 |
| 42037 | 11 | 22-373 | 23-024 | 42135 | 23 | 20-740 | 5-334 | 42207 | 26 | 5-852 | 18-084 | 42259 | 11 | 2-505 | 1-163 | 42331 | 17 | 11-538 | 9-988 |
| 42038 | 12 | 0-143 | 24-026 | 42136 | 22 | 12-428 | 6-471 | 42208 | 18 | 17-312 | 19-869 | 42260 | 15 | 3-123 | 1-218 | 42332 | 10 | 12-761 | 9-911 |
| 42039 | 16 | 1-789 | 24-203 | 42137 | 23 | 13-900 | 6-110 | 42209* | 54 | 21-156 | 19-801 | 42261 | 32 | 4-325 | 1-067 | 42333 | 23 | 17-368 | 9-702 |
| 42040 | 13 | 3-511 | 24-846 | 42138 | 19 | 19-236 | 6-794 | 42210 | 16 | 21-346 | 19-745 | 42262 | 12 | 8-068 | 1-729 | 42334* | 35 | 19-563 | 9-405 |
| 42041 | 20 | 3-764 | 24-040 | 42139* | 36 | 24-800 | 6-768 | 42211 | 16 | 1-340 | 20-648 | 42263 | 30 | 15-464 | 1-821 | 42335 | 10 | 20-593 | 9-182 |
| 42042 | 9 | 4-744 | 24-946 | 42140* | 33 | 2-262 | 7-312 | 42212 | 18 | 3-306 | 20-901 | 42264 | 9 | 15-525 | 1-634 | 42336* | 31 | 20-908 | 9-304 |
| 42043* | 40 | 12-890 | 24-626 | 42141 | 16 | 7-441 | 7-138 | 42213 | 18 | 4-950 | 20-122 | 42265 | 23 | 19-776 | 1-678 | 42337 | 11 | 22-288 | 9-496 |
| 42044* | 39 | 21-678 | 24-528 | 42142* | 88 | 14-526 | 7-534 | 42214 | 14 | 8-194 | 20-603 | 42266 | 14 | 23-370 | 1-853 | 42338 | 25 | 1-608 | 10-578 |
| 42045 | 12 | 24-088 | 24-952 | 42143 | 36 | 18-240 | 7-461 | 42215 | 25 | 9-678 | 20-294 | 42267 | 27 | 3-396 | 2-473 | 42339 | 32 | 2-772 | 10-196 |
| 42046* | 37 | 2-538 | 25-104 | 42144 | 21 | 24-658 | 7-934 | 42216 | 12 | 13-321 | 20-567 | 42268 | 8 | 4-384 | 2-824 | 42340 | 11 | 6-221 | 10-426 |
| 42047 | 8 | 7-322 | 25-490 | 42145 | 19 | 7-018 | 8-466 | 42217 | 22 | 3-310 | 21-292 | 42269 | 11 | 5-550 | 2-528 | 42341* | 62 | 6-492 | 10-190 |
| 42048 | 10 | 8-189 | 25-399 | 42146 | 21 | 10-817 | 8-609 | 42218 | 36 | 3-609 | 21-961 | 42270 | 31 | 7-837 | 2-224 | 42342 | 11 | 7-658 | 10-348 |
| 42049 | 12 | 23-284 | 25-009 | 42147 | 22 | 16-732 | 8-810 | 42219 | 17 | 5-052 | 21-901 | 42271 | 31 | 8-721 | 2-742 | 42343 | 14 | 9-426 | 10-609 |
| 42050 | 60 | 23-855 | 25-916 | 42148* | 39 | 22-872 | 8-200 | 42220* | 42 | 10-687 | 21-216 | 42272 | 28 | 9-330 | 2-748 | 42344 | 12 | 9-277 | 10-616 |
| | | | | 42149 | 36 | 25-602 | 8-716 | 42221 | 16 | 21-621 | 21-723 | 42273 | 37 | 10-568 | 2-035 | 42345 | 12 | 10-848 | 10-973 |
| | | | | 42150 | 17 | 1-074 | 9-104 | 42222 | 14 | 5-770 | 22-539 | 42274 | 10 | 11-790 | 2-453 | 42346 | 32 | 3-465 | 11-398 |
| | | | | 42151 | 23 | 5-688 | 9-700 | 42223* | 48 | 11-642 | 22-736 | 42275 | 8 | 21-838 | 2-628 | 42347 | 34 | 3-830 | 11-056 |
| | | | | 42152* | 76 | 8-632 | 9-321 | 42224* | 40 | 13-635 | 22-285 | 42276 | 16 | 24-252 | 2-416 | 42348 | 12 | 4-641 | 11-422 |
| | | | | 42153 | 18 | 9-158 | 9-456 | 42225 | 19 | 14-634 | 22-610 | 42277* | 60 | 24-298 | 2-610 | 42349 | 16 | 10-194 | 11-174 |
| | | | | 42154* | 40 | 19-500 | 9-440 | 42226 | 21 | 15-375 | 22-971 | 42278 | 13 | 2-930 | 3-066 | 42350 | 32 | 16-206 | 11-958 |
| | | | | 42155* | 40 | 22-388 | 9-247 | 42227* | 49 | 17-716 | 22-314 | 42279 | 25 | 4-176 | 3-756 | 42351 | 10 | 10-954 | 11-042 |
| | | | | 42156 | 14 | 24-225 | 9-070 | 42228 | 13 | 22-636 | 22-904 | 42280 | 13 | 9-689 | 3-040 | 42352 | 25 | 10-634 | 11-419 |
| | | | | 42157* | 60 | 14-961 | 10-936 | 42229 | 21 | 22-778 | 22-227 | 42281 | 13 | 11-158 | 3-020 | 42353 | 0 | 10-803 | 11-552 |
| | | | | 42158 | 11 | 15-058 | 10-268 | 42230 | 16 | 23-439 | 22-957 | 42282 | 13 | 11-494 | 3-795 | 42354 | 21 | 25-062 | 11-839 |
| | | | | 42159 | 20 | 19-174 | 10-538 | 42231 | 15 | 1-893 | 23-977 | 42283 | 21 | 15-400 | 3-587 | 42355 | 23 | 0-642 | 12-412 |
| | | | | 42160 | 27 | 23-762 | 10-462 | 42232 | 25 | 8-568 | 23-518 | 42284 | 8 | 15-046 | 3-893 | 42356 | 14 | 0-748 | 12-584 |
| | | | | 42161 | 38 | 24-929 | 10-901 | 42233 | 13 | 9-172 | 23-488 | 42285 | 22 | 21-788 | 3-744 | 42357 | 10 | 2-370 | 12-989 |
| | | | | 42162 | 37 | 25-986 | 10-961 | 42234 | 21 | 19-037 | 23-680 | 42286 | 28 | 21-817 | 3-748 | 42358 | 14 | 4-502 | 12-648 |
| | | | | 42163 | 28 | 0-256 | 11-674 | 42235 | 16 | 24-252 | 23-260 | 42287* | 35 | 24-965 | 3-470 | 42359 | 37 | 4-685 | 12-712 |
| | | | | 42164 | 20 | 7-678 | 11-488 | 42236 | 22 | 1-538 | 24-986 | 42288 | 9 | 2-014 | 4-550 | 42360 | 15 | 5-546 | 12-436 |
| | | | | 42165 | 3 | 7-880 | 11-629 | 42237 | 22 | 2-339 | 24-916 | 42289 | 8 | 3-636 | 4-188 | 42361 | 13 | 9-818 | 12-874 |
| | | | | 42166* | 37 | 10-647 | 11-501 | 42238 | 22 | 10-896 | 24-908 | 42290 | 12 | 6-178 | 4-880 | 42362 | 20 | 12-890 | 12-928 |
| | | | | 42167 | 23 | 13-448 | 11-757 | 42239 | 22 | 12-601 | 24-949 | 42291 | 11 | 9-112 | 4-650 | 42363 | 11 | 22-978 | 12-719 |
| | | | | 42168 | 22 | 19-874 | 11-175 | 42240 | 21 | 14-254 | 24-186 | 42292* | 34 | 10-939 | 4-266 | 42364 | 24 | 23-599 | 12-217 |
| | | | | 42169 | 39 | 25-612 | 11-298 | 42241 | 18 | 16-355 | 24-364 | 42293 | 15 | 15-161 | 4-054 | 42365 | 34 | 1-074 | 13-418 |
| | | | | 42170 | 24 | 0-749 | 12-826 | 42242 | 38 | 19-440 | 24-785 | 42294 | 25 | 17-401 | 4-722 | 42366 | 34 | 3-862 | 13-746 |
| | | | | 42171* | 39 | 3-194 | 12-730 | 42243 | 33 | 24-254 | 24-436 | 42295 | 22 | 20-941 | 4-665 | 42367 | 10 | 4-690 | 13-600 |
| | | | | 42172 | 20 | 3-814 | 12-324 | 42244 | 78 | 2-114 | 25-886 | 42296 | 10 | 22-722 | 4-070 | 42368 | 11 | 5-550 | 13-446 |
| | | | | 42173 | 23 | 9-640 | 12-086 | 42245 | 23 | 13-832 | 25-406 | 42297 | 10 | 24-116 | 4-054 | 42369 | 32 | 6-434 | 13-901 |
| | | | | 42174 | 19 | 14-040 | 12-109 | 42246 | 24 | 25-616 | 25-165 | 42298 | 10 | 24-132 | 4-667 | 42370 | 14 | 15-660 | 13-676 |
| | | | | 42175 | 38 | 15-130 | 12-008 | | | | | 42299 | 23 | 24-428 | 4-438 | 42371 | 11 | 17-136 | 13-098 |
| | | | | 42176* | 26 | 15-574 | 12-844 | | | | | 42300 | 25 | 6-916 | 5-150 | 42372 | 8 | 22-131 | 13-111 |
| | | | | 42177 | 25 | 22-776 | 12-288 | | | | | 42301 | 23 | 10-230 | 5-820 | 42373 | 8 | 25-852 | 13-790 |
| | | | | 42178 | 24 | 22-881 | 12-459 | | | | | 42302 | 8 | 22-470 | 5-909 | 42374 | 40 | 2-756 | 14-098 |
| | | | | 42179 | 17 | 4-084 | 13-735 | | | | | 42303 | 30 | 22-509 | 5-655 | 42375* | 79 | 7-590 | 14-654 |
| | | | | 42180 | 23 | 4-592 | 13-562 | | | | | 42304 | 12 | 23-086 | 5-030 | 42376* | 35 | 14-888 | 14-102 |
| | | | | 42181 | 15 | 6-101 | 13-260 | | | | | 42305 | 12 | 23-327 | 5-451 | 42377 | 12 | 22-950 | 14-917 |
| | | | | 42182 | 18 | 6-291 | 13-675 | | | | | 42306* | 29 | 2-614 | 6-874 | 42378 | 31 | 0-467 | 15-320 |
| | | | | 42183 | 20 | 20-436 | 13-678 | | | | | 42307 | 9 | 8-378 | 6-708 | 42379 | 15 | 3-935 | 15-129 |
| | | | | 42184 | 40 | 23-200 | 13-299 | | | | | 42308* | 38 | 10-821 | 6-880 | 42380 | 33 | 5-208 | 15-980 |
| | | | | 42185 | 46 | 24-874 | 13-995 | | | | | 42309* | 40 | 16-338 | 6-402 | 42381 | 9 | 5-333 | 15-828 |
| | | | | 42186 | 37 | 25-982 | 13-652 | | | | | 42310 | 30 | 21-802 | 6-542 | 42382 | 10 | 6-740 | 15-382 |
| | | | | 42187 | 29 | 14-916 | 14-948 | | | | | 42311 | 10 | 22-868 | 6-112 | 42383 | 11 | 9-562 | 15-938 |
| | | | | 42188 | 21 | 16-490 | 14-632 | | | | | 42312 | 27 | 12-170 | 7-486 | 42384 | 18 | 9-776 | 15-838 |
| | | | | 42189* | 50 | 18-585 | 14-455 | | | | | 42313 | 13 | 15-768 | 7-440 | 42385 | 10 | 18-202 | 15-720 |
| | | | | 42190 | 30 | 8-247 | 15-016 | | | | | 42314 | 8 | 16-074 | 7-260 | 42386 | 14 | 8-768 | 16-500 |
| | | | | 42191* | 120 | 11-732 | 15-644 | | | | | 42315 | 10 | 18-076 | 7-518 | 42387 | 8 | 10-168 | 16-504 |
| | | | | 42192 | 20 | 12-788 | 15-520 | | | | | 42316 | 13 | 19-692 | 7-180 | 42388 | 12 | 15-260 | 16-250 |
| | | | | 42193 | 21 | 19-151 | 15-335 | | | | | 42317 | 20 | 23-792 | 7-860 | 42389 | 10 | 16-317 | 16-092 |
| | | | | 42194 | 36 | 22-572 | 15-192 | | | | | 42318 | 16 | 24-694 | 7-856 | 42390 | 32 | 17-230 | 16-216 |
| | | | | 42195 | 11 | 7-392 | 16-528 | | | | | 42319* | 37 | 0-698 | 8-414 | 42391 | 9 | 18-622 | 16-486 |
| | | | | 42196 | 21 | 16-587 | 16-802 | | | | | 42320 | 12 | 2-480 | 8-044 | 42392 | 11 | 19-664 | 16-802 |
| | | | | 42197 | 12 | 19-787 | 16-591 | | | | | 42321 | 30 | 3-432 | 8-814 | 42393* | 26 | 19-943 | 16-830 |
| | | | | 42198 | 17 | 21-158 | 16-972 | | | | | 42322 | 12 | 10-436 | 8-054 | 42394 | 10 | 22-102 | 16-240 |
| | | | | 42199* | 34 | 0-376 | 17-155 | | | | | 42323 | 8 | 13-766 | 8-424 | 42395 | 8 | 22-134 | 16-479 |
| | | | | 42200 | 32 | 6-070 | 17-968 | | | | | 42324 | 10 | 20-816 | 8-664 | 42396 | 22 | 3-854 | 17-394 |
| | | | | 42201* | 175 | 8-704 | 17-334 | | | | | 42325 | 10 | 13-499 | 0-500 | 42397 | 38 | 5-402 | 17-958 |
| | | | | 42202* | 38 | 8-884 | 17-396 | | | | | 42326 | 33 | 0-222 | 8-287 | 42398 | 17 | 7-696 | 17-727 |
| | | | | 42203 | 31 | 9-937 | 17-674 | | | | | 42327 | 10 | 20-599 | 9-183 | 42399 | 8 | 11-582 | 17-444 |
| | | | | 42204 | 25 | 25-938 | 17-300 | | | | | 42328 | 11 | 5-362 | 9-486 | 42400 | 17 | | |

| | | | | | | | | | | | | | | | | | | | |
|--------|----|--------|--------|--|----|--------|-------|--------|----|--------|--------|--------|-----|--------|--------|--------|----|--------|--------|
| 42401* | 40 | 16-805 | 17-444 | R.A. 15 ^h 24 ^m Plate 1046; 1917 May 19. Provisional Constants. A B C -02577 +00187 -1548 D E F -00233 -02587 -0542 Mag. = 16.5 - 1.09√d | | | | 42556 | 20 | 20-588 | 5-799 | 42628 | 12 | 5-140 | 16-882 | 42700 | 14 | 10-954 | 23-140 |
| 42402* | 39 | 18-182 | 17-052 | | | | | 42557 | 10 | 0-094 | 6-170 | 42629 | 8 | 10-786 | 16-767 | 42701 | 22 | 16-112 | 23-360 |
| 42403 | 15 | 18-022 | 17-056 | | | | | 42558 | 8 | 1-624 | 6-114 | 42630 | 18 | 14-813 | 16-922 | 42702 | 10 | 19-582 | 23-078 |
| 42404 | 9 | 20-950 | 17-748 | | | | | 42559 | 14 | 9-141 | 6-346 | 42631 | 16 | 17-386 | 16-382 | 42703 | 11 | 20-870 | 23-708 |
| 42405 | 24 | 22-528 | 17-537 | R.A. 15 ^h 32 ^m Plate 1047; 1917 May 19. Provisional Constants. A B C -02556 +00633 -2875 D E F -00646 -02570 +1985 Mag. = 16.1 - 1.09√d | | | | 42560 | 15 | 11-655 | 6-094 | 42632* | 37 | 18-195 | 16-694 | 42704* | 36 | 22-694 | 23-200 |
| 42406 | 11 | 23-292 | 17-794 | | | | | 42561 | 11 | 11-696 | 6-884 | 42633 | 19 | 18-303 | 16-380 | 42705 | 12 | 0-059 | 24-346 |
| 42407 | 8 | 23-899 | 17-750 | | | | | 42562 | 10 | 12-750 | 6-363 | 42634* | 140 | 20-466 | 16-450 | 42706 | 8 | 1-726 | 24-316 |
| 42408 | 21 | 5-573 | 18-111 | | | | | 42563 | 10 | 16-118 | 6-219 | 42635 | 13 | 22-470 | 16-628 | 42707 | 13 | 4-114 | 24-157 |
| 42409 | 19 | 9-133 | 18-022 | R.A. 15 ^h 32 ^m Plate 1047; 1917 May 19. Provisional Constants. A B C -02556 +00633 -2875 D E F -00646 -02570 +1985 Mag. = 16.1 - 1.09√d | | | | 42564 | 66 | 16-234 | 6-657 | 42636 | 10 | 23-316 | 16-478 | 42708 | 19 | 10-284 | 24-382 |
| 42410 | 20 | 11-826 | 18-600 | | | | | 42565 | 14 | 16-929 | 6-082 | 42637 | 29 | 23-940 | 16-069 | 42709 | 11 | 10-890 | 24-165 |
| 42411 | 10 | 16-924 | 18-706 | | | | | 42566 | 12 | 17-210 | 6-693 | 42638 | 23 | 0-244 | 17-794 | 42710 | 14 | 10-906 | 24-279 |
| 42412 | 13 | 18-890 | 18-600 | | | | | 42567 | 10 | 22-120 | 6-140 | 42639 | 16 | 4-622 | 17-650 | 42711 | 9 | 19-082 | 24-186 |
| 42413 | 11 | 18-910 | 18-386 | R.A. 15 ^h 32 ^m Plate 1047; 1917 May 19. Provisional Constants. A B C -02556 +00633 -2875 D E F -00646 -02570 +1985 Mag. = 16.1 - 1.09√d | | | | 42568 | 19 | 23-430 | 6-232 | 42640 | 15 | 15-244 | 17-240 | 42712 | 10 | 20-090 | 24-192 |
| 42414 | 9 | 20-228 | 18-972 | | | | | 42569 | 20 | 7-376 | 7-304 | 42641 | 11 | 16-513 | 17-444 | 42713 | 16 | 24-826 | 24-285 |
| 42415 | 12 | 20-076 | 18-728 | | | | | 42570 | 11 | 9-990 | 7-628 | 42642 | 12 | 18-607 | 17-716 | 42714 | 12 | 3-762 | 25-117 |
| 42416 | 12 | 24-214 | 18-366 | | | | | 42571 | 16 | 11-207 | 7-840 | 42643 | 12 | 18-994 | 17-348 | 42715 | 13 | 9-510 | 25-898 |
| 42417 | 8 | 24-386 | 18-560 | R.A. 15 ^h 32 ^m Plate 1047; 1917 May 19. Provisional Constants. A B C -02556 +00633 -2875 D E F -00646 -02570 +1985 Mag. = 16.1 - 1.09√d | | | | 42572 | 19 | 14-048 | 7-325 | 42644 | 16 | 19-515 | 17-540 | 42716 | 12 | 11-936 | 25-282 |
| 42418 | 14 | 24-687 | 18-580 | | | | | 42573 | 10 | 15-770 | 7-457 | 42645 | 10 | 20-898 | 17-504 | 42717 | 12 | 16-574 | 25-333 |
| 42419 | 13 | 24-792 | 18-150 | | | | | 42574 | 24 | 16-628 | 7-040 | 42646 | 23 | 21-981 | 17-378 | 42718 | 9 | 18-430 | 25-432 |
| 42420 | 16 | 24-868 | 18-802 | | | | | 42575 | 10 | 18-140 | 7-054 | 42647 | 8 | 24-294 | 17-305 | | | | |
| 42421* | 32 | 6-511 | 19-398 | 42504 | 26 | 11-675 | 0-426 | 42576 | 10 | 21-144 | 7-032 | 42648 | 12 | 2-410 | 18-820 | | | | |
| 42422 | 18 | 18-678 | 19-670 | 42505 | 12 | 20-695 | 0-388 | 42577 | 10 | 22-100 | 7-007 | 42649 | 12 | 2-512 | 18-392 | | | | |
| 42423* | 40 | 20-393 | 19-525 | 42506 | 15 | 23-452 | 0-194 | 42578 | 17 | 1-430 | 8-111 | 42650 | 10 | 6-485 | 18-668 | | | | |
| 42424 | 10 | 20-478 | 19-543 | 42507 | 23 | 4-994 | 1-972 | 42579 | 17 | 2-333 | 8-008 | 42651 | 14 | 7-494 | 18-150 | | | | |
| 42425 | 8 | 23-355 | 19-162 | 42508 | 18 | 6-988 | 1-538 | 42580 | 12 | 2-379 | 8-526 | 42652* | 23 | 7-624 | 18-974 | | | | |
| 42426 | 11 | 23-650 | 19-568 | 42509 | 12 | 11-307 | 1-274 | 42581 | 13 | 9-548 | 8-026 | 42653 | 21 | 9-662 | 18-916 | | | | |
| 42427 | 24 | 25-180 | 19-908 | 42510 | 12 | 12-278 | 1-990 | 42582 | 10 | 16-927 | 8-029 | 42654 | 23 | 9-665 | 18-875 | | | | |
| 42428 | 8 | 25-340 | 19-496 | 42511* | 46 | 13-261 | 1-990 | 42583 | 21 | 24-379 | 8-388 | 42655 | 13 | 19-555 | 18-870 | | | | |
| 42429 | 18 | 3-110 | 20-372 | 42512 | 18 | 14-888 | 1-572 | 42584 | 11 | 7-410 | 9-868 | 42656 | 10 | 1-375 | 19-818 | | | | |
| 42430 | 13 | 5-289 | 20-388 | 42513 | 24 | 16-162 | 1-186 | 42585 | 12 | 10-512 | 9-498 | 42657 | 20 | 2-594 | 19-042 | | | | |
| 42431 | 12 | 11-918 | 20-888 | 42514 | 14 | 19-334 | 1-154 | 42586 | 12 | 16-533 | 9-235 | 42658 | 8 | 3-069 | 19-730 | | | | |
| 42432 | 24 | 14-262 | 20-559 | 42515 | 14 | 0-907 | 2-106 | 42587 | 22 | 19-000 | 9-932 | 42659 | 13 | 5-982 | 19-556 | | | | |
| 42433 | 27 | 15-526 | 20-080 | 42516 | 12 | 1-850 | 2-655 | 42588 | 11 | 21-607 | 9-170 | 42660 | 14 | 8-186 | 19-374 | | | | |
| 42434 | 11 | 22-858 | 20-064 | 42517* | 66 | 1-894 | 2-856 | 42589 | 11 | 24-670 | 9-442 | 42661* | 33 | 13-226 | 19-501 | | | | |
| 42435 | 11 | 2-200 | 21-752 | 42518 | 19 | 5-373 | 2-689 | 42590 | 43 | 25-764 | 9-307 | 42662* | 28 | 13-272 | 19-915 | | | | |
| 42436 | 9 | 2-588 | 21-208 | 42519 | 12 | 6-551 | 2-374 | 42591 | 27 | 6-788 | 10-434 | 42663 | 15 | 14-766 | 19-284 | | | | |
| 42437 | 31 | 5-302 | 21-449 | 42520 | 11 | 9-877 | 2-331 | 42592 | 27 | 9-808 | 10-014 | 42664 | 10 | 15-980 | 19-625 | | | | |
| 42438 | 13 | 6-880 | 21-708 | 42521 | 11 | 12-994 | 2-476 | 42593 | 17 | 13-425 | 10-256 | 42665* | 33 | 19-032 | 19-087 | | | | |
| 42439 | 13 | 22-650 | 21-601 | 42522 | 10 | 13-600 | 2-923 | 42594 | 10 | 1-410 | 11-380 | 42666 | 19 | 21-518 | 19-980 | | | | |
| 42440 | 10 | 0-741 | 22-350 | 42523 | 14 | 14-666 | 2-527 | 42595 | 10 | 3-592 | 11-730 | 42667* | 26 | 21-934 | 19-174 | | | | |
| 42441 | 10 | 1-399 | 22-173 | 42524 | 22 | 15-276 | 2-939 | 42596 | 9 | 21-592 | 11-252 | 42668 | 10 | 22-548 | 19-180 | | | | |
| 42442 | 12 | 8-490 | 22-297 | 42525 | 13 | 17-354 | 2-900 | 42597 | 16 | 0-654 | 12-973 | 42669 | 23 | 24-232 | 19-203 | | | | |
| 42443 | 8 | 9-688 | 22-536 | 42526* | 44 | 18-828 | 2-589 | 42598 | 21 | 1-272 | 12-466 | 42670 | 9 | 25-208 | 19-645 | | | | |
| 42444 | 20 | 13-297 | 22-620 | 42527 | 10 | 18-916 | 2-646 | 42599 | 20 | 2-733 | 12-078 | 42671 | 9 | 0-591 | 20-320 | | | | |
| 42445 | 11 | 13-695 | 22-450 | 42528 | 17 | 20-702 | 2-272 | 42600 | 20 | 22-137 | 12-975 | 42672 | 21 | 2-912 | 20-145 | | | | |
| 42446 | 20 | 17-172 | 22-285 | 42529 | 15 | 24-654 | 2-527 | 42601 | 39 | 23-826 | 12-882 | 42673* | 74 | 4-546 | 20-284 | | | | |
| 42447 | 11 | 24-416 | 22-810 | 42530* | 38 | 2-570 | 3-708 | 42602 | 13 | 6-080 | 13-621 | 42674 | 13 | 12-934 | 20-841 | | | | |
| 42448 | 10 | 2-226 | 23-370 | 42531 | 15 | 4-931 | 3-039 | 42603 | 16 | 7-880 | 13-920 | 42675 | 26 | 17-402 | 20-800 | | | | |
| 42449 | 10 | 2-532 | 23-782 | 42532 | 20 | 5-534 | 3-092 | 42604 | 10 | 8-698 | 13-388 | 42676 | 10 | 18-782 | 20-680 | | | | |
| 42450 | 31 | 4-681 | 23-170 | 42533 | 10 | 5-746 | 3-944 | 42605 | 10 | 10-080 | 13-308 | 42677* | 41 | 20-320 | 20-398 | | | | |
| 42451 | 12 | 13-550 | 23-779 | 42534 | 13 | 6-019 | 3-753 | 42606* | 64 | 11-648 | 13-280 | 42678 | 17 | 23-327 | 20-766 | | | | |
| 42452 | 8 | 13-758 | 23-437 | 42535 | 21 | 6-384 | 3-250 | 42607 | 10 | 15-324 | 13-816 | 42679 | 15 | 0-396 | 21-856 | | | | |
| 42453 | 11 | 1-244 | 24-521 | 42536* | 30 | 6-556 | 3-099 | 42608 | 12 | 16-310 | 13-846 | 42680 | 15 | 7-106 | 21-560 | | | | |
| 42454 | 30 | 2-238 | 24-546 | 42537 | 19 | 16-240 | 3-435 | 42609 | 12 | 18-866 | 13-928 | 42681 | 20 | 9-832 | 21-892 | | | | |
| 42455 | 11 | 11-862 | 24-454 | 42538 | 11 | 25-614 | 3-319 | 42610* | 60 | 20-376 | 13-324 | 42682 | 11 | 10-014 | 21-305 | | | | |
| 42456 | 9 | 22-294 | 24-081 | 42539 | 21 | 2-043 | 4-681 | 42611 | 14 | 21-606 | 13-882 | 42683 | 9 | 20-469 | 21-420 | | | | |
| 42457 | 10 | 25-938 | 24-887 | 42540 | 8 | 4-740 | 4-570 | 42612 | 8 | 24-300 | 13-463 | 42684 | 9 | 21-962 | 21-828 | | | | |
| 42458 | 10 | 2-488 | 25-916 | 42541 | 21 | 9-100 | 4-083 | 42613 | 11 | 0-295 | 14-394 | 42685* | 39 | 22-874 | 21-009 | | | | |
| 42459 | 14 | 3-610 | 25-262 | 42542 | 17 | 10-294 | 4-370 | 42614 | 19 | 10-974 | 14-961 | 42686 | 10 | 24-550 | 21-033 | | | | |
| 42460 | 26 | 9-298 | 25-954 | 42543 | 22 | 15-446 | 4-708 | 42615 | 11 | 16-642 | 14-018 | 42687 | 9 | 4-491 | 22-785 | | | | |
| 42461 | 26 | 11-006 | 25-213 | 42544 | 13 | 15-560 | 4-275 | 42616 | 12 | 18-232 | 14-349 | 42688 | 20 | 7-266 | 22-388 | | | | |
| 42462 | 24 | 11-320 | 25-782 | 42545 | 18 | 15-982 | 4-398 | 42617 | 11 | 23-184 | 14-560 | 42689* | 45 | 10-250 | 22-680 | | | | |
| 42463 | 24 | 15-448 | 25-372 | 42546 | 12 | 16-566 | 4-156 | 42618 | 11 | 24-192 | 14-500 | 42690 | 11 | 12-957 | 22-370 | | | | |
| 42464 | 12 | 17-900 | 25-302 | 42547 | 18 | 20-700 | 4-456 | 42619 | 10 | 24-715 | 14-460 | 42691 | 11 | 14-103 | 22-366 | | | | |
| 42465 | 10 | 25-428 | 25-458 | 42548 | 10 | 21-423 | 4-725 | 42620 | 13 | 0-644 | 15-172 | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|-----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
| 42780 | 10 | 1°190 | 4°799 | 42852 | 12 | 22°237 | 10°027 | 42924 | 24 | 2°140 | 19°488 | 42996 | 36 | 8°056 | 25°752 | 43094 | 11 | 4°680 | 4°274 |
| 42781 | 9 | 2°680 | 4°886 | 42853 | 25 | 23°287 | 10°266 | 42925 | 12 | 7°094 | 19°028 | 42997 | 28 | 8°504 | 25°090 | 43095 | 23 | 6°364 | 4°234 |
| 42782 | 22 | 3°787 | 4°192 | 42854 | 17 | 24°045 | 10°883 | 42926 | 21 | 8°793 | 19°163 | 42998 | 26 | 18°460 | 25°251 | 43096 | 19 | 8°809 | 4°391 |
| 42783 | 17 | 8°045 | 4°662 | 42855 | 10 | 5°607 | 11°484 | 42927 | 10 | 10°240 | 19°554 | 42999 | 9 | 18°632 | 25°496 | 43097 | 12 | 9°935 | 4°995 |
| 42784 | 18 | 10°885 | 4°882 | 42856 | 28 | 9°614 | 11°004 | 42928 | 82 | 14°371 | 19°596 | 43000 | 34 | 21°418 | 25°496 | 43098 | 12 | 11°300 | 4°120 |
| 42785 | 16 | 11°832 | 4°882 | 42857 | 46 | 12°414 | 11°767 | 42929 | 8 | 15°374 | 19°563 | 43001 | 22 | 21°572 | 25°832 | 43099 | 10 | 14°912 | 4°920 |
| 42786 | 29 | 12°369 | 4°179 | 42858 | 12 | 17°524 | 11°194 | 42930 | 9 | 17°646 | 19°452 | | | | | 43100 | 9 | 17°626 | 4°962 |
| 42787 | 13 | 16°326 | 4°876 | 42859 | 18 | 7°604 | 12°288 | 42931 | 8 | 20°325 | 19°117 | | | | | 43101 | 14 | 23°484 | 4°194 |
| 42788 | 11 | 20°324 | 4°634 | 42860 | 100 | 15°662 | 12°452 | 42932 | 18 | 20°364 | 19°882 | | | | | 43102 | 20 | 2°366 | 5°950 |
| 42789 | 9 | 20°537 | 4°818 | 42861 | 19 | 21°816 | 12°394 | 42933 | 11 | 20°576 | 19°692 | | | | | 43103 | 10 | 6°480 | 5°666 |
| 42790 | 10 | 22°511 | 4°272 | 42862 | 32 | 1°636 | 13°174 | 42934 | 10 | 20°891 | 19°256 | | | | | 43104 | 16 | 6°672 | 5°810 |
| 42791 | 25 | 22°728 | 4°014 | 42863 | 8 | 6°976 | 13°372 | 42935 | 35 | 20°946 | 19°230 | | | | | 43105 | 12 | 7°870 | 5°750 |
| 42792 | 18 | 4°060 | 5°852 | 42864 | 21 | 7°108 | 13°017 | 42936 | 12 | 22°564 | 19°366 | | | | | 43106 | 12 | 13°210 | 5°358 |
| 42793 | 11 | 4°730 | 5°790 | 42865 | 15 | 8°502 | 13°348 | 42937 | 9 | 23°898 | 19°982 | | | | | 43107 | 12 | 18°093 | 5°076 |
| 42794 | 36 | 5°781 | 5°696 | 42866 | 8 | 8°530 | 13°420 | 42938 | 41 | 25°285 | 19°138 | | | | | 43108 | 10 | 18°226 | 5°456 |
| 42795 | 11 | 6°125 | 5°265 | 42867 | 10 | 9°468 | 13°967 | 42939 | 8 | 0°630 | 20°214 | | | | | 43109 | 13 | 18°536 | 5°686 |
| 42796 | 8 | 6°334 | 5°512 | 42868 | 39 | 12°425 | 13°915 | 42940 | 20 | 5°092 | 20°992 | | | | | 43110 | 20 | 21°205 | 5°363 |
| 42797 | 25 | 7°100 | 5°388 | 42869 | 27 | 12°690 | 13°018 | 42941 | 10 | 6°122 | 20°948 | | | | | 43111 | 49 | 21°885 | 5°566 |
| 42798 | 23 | 8°316 | 5°230 | 42870 | 15 | 13°984 | 13°028 | 42942 | 18 | 12°586 | 20°544 | | | | | 43112 | 11 | 22°046 | 5°969 |
| 42799 | 12 | 8°552 | 5°860 | 42871 | 13 | 20°666 | 13°816 | 42943 | 20 | 13°244 | 20°766 | | | | | 43113 | 12 | 22°578 | 6°374 |
| 42800 | 10 | 9°849 | 5°740 | 42872 | 29 | 20°778 | 13°687 | 42944 | 14 | 14°952 | 20°238 | | | | | 43114 | 38 | 0°932 | 6°804 |
| 42801 | 32 | 11°042 | 5°802 | 42873 | 8 | 22°382 | 13°663 | 42945 | 11 | 15°365 | 20°633 | | | | | 43115 | 40 | 1°572 | 6°782 |
| 42802 | 9 | 11°532 | 5°182 | 42874 | 10 | 22°638 | 13°460 | 42946 | 8 | 19°192 | 20°188 | | | | | 43116 | 9 | 2°338 | 6°707 |
| 42803 | 17 | 12°696 | 5°178 | 42875 | 11 | 2°030 | 14°780 | 42947 | 17 | 19°538 | 20°045 | | | | | 43117 | 26 | 10°211 | 6°075 |
| 42804 | 31 | 20°064 | 5°370 | 42876 | 26 | 8°151 | 14°846 | 42948 | 13 | 19°602 | 20°124 | | | | | 43118 | 12 | 10°352 | 6°096 |
| 42805 | 26 | 24°431 | 5°932 | 42877 | 16 | 13°498 | 14°758 | 42949 | 22 | 19°909 | 20°214 | | | | | 43119 | 9 | 10°776 | 6°372 |
| 42806 | 25 | 1°138 | 6°530 | 42878 | 8 | 14°661 | 14°586 | 42950 | 23 | 20°222 | 20°934 | | | | | 43120 | 15 | 13°634 | 6°599 |
| 42807 | 17 | 1°613 | 6°450 | 42879 | 8 | 15°377 | 14°095 | 42951 | 8 | 20°508 | 20°532 | | | | | 43121 | 10 | 13°298 | 6°106 |
| 42808 | 14 | 5°645 | 6°314 | 42880 | 17 | 18°462 | 14°342 | 42952 | 13 | 22°062 | 20°531 | | | | | 43122 | 11 | 23°126 | 6°487 |
| 42809 | 15 | 8°448 | 6°210 | 42881 | 13 | 20°018 | 14°918 | 42953 | 24 | 24°933 | 20°379 | | | | | 43123 | 18 | 23°260 | 6°734 |
| 42810 | 31 | 12°060 | 6°466 | 42882 | 45 | 23°994 | 14°380 | 42954 | 8 | 25°132 | 20°094 | | | | | 43124 | 10 | 9°267 | 7°186 |
| 42811 | 8 | 14°038 | 6°344 | 42883 | 39 | 25°130 | 14°725 | 42955 | 23 | 25°832 | 20°348 | | | | | 43125 | 15 | 15°412 | 7°328 |
| 42812 | 31 | 21°884 | 6°833 | 42884 | 37 | 2°125 | 15°706 | 42956 | 35 | 0°807 | 21°314 | | | | | 43126 | 14 | 19°159 | 7°392 |
| 42813 | 11 | 22°639 | 6°336 | 42885 | 33 | 5°650 | 15°190 | 42957 | 22 | 1°258 | 21°064 | | | | | 43127 | 23 | 4°689 | 8°856 |
| 42814 | 37 | 23°986 | 6°769 | 42886 | 11 | 6°775 | 15°926 | 42958 | 10 | 2°486 | 21°368 | | | | | 43128 | 8 | 5°798 | 8°440 |
| 42815 | 37 | 23°035 | 6°154 | 42887 | 13 | 13°440 | 15°931 | 42959 | 24 | 3°537 | 21°182 | | | | | 43129 | 23 | 7°870 | 8°170 |
| 42816 | 15 | 4°375 | 7°456 | 42888 | 27 | 18°608 | 15°358 | 42960 | 16 | 7°488 | 21°146 | | | | | 43130 | 15 | 9°353 | 8°861 |
| 42817 | 13 | 4°821 | 7°852 | 42889 | 28 | 25°470 | 15°509 | 42961 | 14 | 7°703 | 21°126 | | | | | 43131 | 11 | 12°300 | 8°208 |
| 42818 | 34 | 5°660 | 7°795 | 42890 | 10 | 0°337 | 16°938 | 42962 | 18 | 8°298 | 21°006 | | | | | 43132 | 19 | 22°283 | 8°948 |
| 42819 | 8 | 10°939 | 7°850 | 42891 | 34 | 1°798 | 16°358 | 42963 | 10 | 11°808 | 21°171 | | | | | 43133 | 19 | 25°038 | 8°310 |
| 42820 | 10 | 13°704 | 7°138 | 42892 | 19 | 3°900 | 16°424 | 42964 | 13 | 13°422 | 21°822 | | | | | 43134 | 14 | 3°470 | 9°340 |
| 42821 | 19 | 18°261 | 7°178 | 42893 | 13 | 6°040 | 16°858 | 42965 | 8 | 21°474 | 21°786 | | | | | 43135 | 12 | 5°998 | 9°890 |
| 42822 | 29 | 19°588 | 7°451 | 42894 | 30 | 6°395 | 16°274 | 42966 | 8 | 2°118 | 22°662 | | | | | 43136 | 11 | 6°012 | 9°231 |
| 42823 | 12 | 22°462 | 7°330 | 42895 | 9 | 7°923 | 16°480 | 42967 | 22 | 10°498 | 22°543 | | | | | 43137 | 10 | 6°568 | 9°804 |
| 42824 | 20 | 2°118 | 8°674 | 42896 | 8 | 10°775 | 16°283 | 42968 | 11 | 11°813 | 22°027 | | | | | 43138 | 8 | 7°596 | 9°334 |
| 42825 | 9 | 3°150 | 8°486 | 42897 | 13 | 12°000 | 16°812 | 42969 | 10 | 15°019 | 22°016 | | | | | 43139 | 16 | 8°808 | 9°950 |
| 42826 | 9 | 6°834 | 8°689 | 42898 | 18 | 17°488 | 16°340 | 42970 | 38 | 15°096 | 22°492 | | | | | 43140 | 9 | 15°384 | 9°770 |
| 42827 | 20 | 6°968 | 8°912 | 42899 | 13 | 21°318 | 16°104 | 42971 | 20 | 15°178 | 22°164 | | | | | 43141 | 13 | 20°806 | 9°310 |
| 42828 | 31 | 7°676 | 8°705 | 42900 | 21 | 23°493 | 16°814 | 42972 | 24 | 17°068 | 22°970 | | | | | 43142 | 11 | 0°224 | 10°072 |
| 42829 | 8 | 9°618 | 8°743 | 42901 | 80 | 24°044 | 16°909 | 42973 | 35 | 17°372 | 22°990 | | | | | 43143 | 18 | 1°276 | 10°299 |
| 42830 | 19 | 9°870 | 8°812 | 42902 | 2 | 2°176 | 17°588 | 42974 | 41 | 17°822 | 22°202 | | | | | 43144 | 13 | 2°044 | 10°900 |
| 42831 | 8 | 11°189 | 8°115 | 42903 | 21 | 8°238 | 17°659 | 42975 | 11 | 18°044 | 22°249 | | | | | 43145 | 80 | 11°612 | 10°246 |
| 42832 | 10 | 13°030 | 8°684 | 42904 | 18 | 13°184 | 17°450 | 42976 | 8 | 21°609 | 22°445 | | | | | 43146 | 16 | 13°300 | 10°460 |
| 42833 | 29 | 13°398 | 8°134 | 42905 | 72 | 15°922 | 17°508 | 42977 | 9 | 25°612 | 22°214 | | | | | 43147 | 25 | 13°782 | 10°397 |
| 42834 | 10 | 16°634 | 8°686 | 42906 | 10 | 16°228 | 17°046 | 42978 | 36 | 0°662 | 23°508 | | | | | 43148 | 17 | 14°674 | 10°351 |
| 42835 | 11 | 17°432 | 8°270 | 42907 | 25 | 16°374 | 17°252 | 42979 | 8 | 3°222 | 23°685 | | | | | 43149 | 8 | 14°964 | 10°420 |
| 42836 | 15 | 17°524 | 8°413 | 42908 | 55 | 18°170 | 17°310 | 42980 | 11 | 10°764 | 23°358 | | | | | 43150 | 51 | 16°000 | 10°569 |
| 42837 | 8 | 20°592 | 8°528 | 42909 | 80 | 18°405 | 17°949 | 42981 | 9 | 21°376 | 23°800 | | | | | 43151 | 15 | 25°365 | 10°394 |
| 42838 | 11 | 20°690 | 8°252 | 42910 | 35 | 22°074 | 17°261 | 42982 | 28 | 22°146 | 23°243 | | | | | 43152 | 11 | 25°630 | 10°930 |
| 42839 | 10 | 1°640 | 9°456 | 42911 | 8 | 25°525 | 17°952 | 42983 | 33 | 22°654 | 23°520 | | | | | 43153 | 11 | 10°826 | 11°325 |
| 42840 | 11 | 2°426 | 9°720 | 42912 | 10 | 0°493 | 18°333 | 42984 | 23 | 2°812 | 24°560 | | | | | 43154 | 9 | 12°776 | 11°535 |
| 42841 | 36 | 3°516 | 9°572 | 42913 | 10 | 4°148 | 18°330 | 42985 | 10 | 4°834 | 24°063 | | | | | 43155 | 12 | 13°100 | 11°717 |
| 42842 | 34 | 20°376 | 9°064 | 42914 | 12 | 5°504 | 18°456 | 42986 | 23 | 9°682 | 24°854 | | | | | 43156 | 24 | 13°418 | 11°610 |
| 42843 | 21 | 25°492 | 9°335 | 42915 | 32 | 9°294 | 18°495 | 42987 | 31 | 9°982 | 24°695 | | | | | 43157 | 8 | 15°048 | 11°800 |
| 42844 | 10 | 5°111 | 10°373 | 42916 | 14 | 12°984 | 18°622 | 42988 | 8 | 13°125 | 24°572 | | | | | 43158 | 38 | 20°577 | 11°552 |
| 42845 | 34 | 7°562 | 10°156 | 42917 | 37 | 14°559 | 18°079 | 42989 | 14 | 13°826 | 24°304 | | | | | 43159 | 12 | 20°872 | 11°154 |
| 42846 | 11 | 7°966 | 10°670 | 42918 | 14 | 16°466 | 18°450 | 42990 | 39 | 13°992 | 24°714 | | | | | 43160 | 8 | 21°887 | 11°330 |
| 42847 | 30 | 10°722 | 10°760 | 42919 | 10 | 17°474 | 18°724 | 42991 | 31 | 16°182 | 24°527 | | | | | 43161 | 14 | 22°298 | 11°850 |
| 42848 | 15 | 11°176 | 10°846 | 42920 | 12 | 17°848 | 18°718 | 42992 | 17 | 20°475 | 24°910 | | | | | 43162 | 15 | 23°736 | 11°882 |
| 42849 | 28 | 12°620 | 10°904 | 42921 | 10 | 22°248 | 18 | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------|-----|--------|--------|--------|----|--------|--------|--------|-----|--------|--------|--------|----|--------|--------|
| 43166 | 24 | 10°36' | 12°32' | 43238 | 17 | 20°42' | 19°38' | 43406 | 20 | 9°844 | 7°203 | 43478 | 24 | 2°652 | 14°524 |
| 43167 | 11 | 13°38' | 12°332 | 43239 | 9 | 21°810 | 19°541 | 43407 | 13 | 16°942 | 7°212 | 43479 | 20 | 9°412 | 14°458 |
| 43168 | 16 | 15°017 | 12°360 | 43240 | 17 | 23°386 | 19°502 | 43408 | 13 | 17°100 | 7°816 | 43480 | 13 | 10°886 | 14°782 |
| 43169 | 40 | 20°093 | 12°201 | 43241* | 32 | 24°566 | 19°932 | 43409 | 15 | 17°694 | 7°690 | 43481 | 18 | 14°058 | 14°694 |
| 43170 | 21 | 21°993 | 12°064 | 43242 | 11 | 25°408 | 19°475 | 43410 | 16 | 18°214 | 7°080 | 43482 | 32 | 14°523 | 14°610 |
| 43171 | 4 | 22°380 | 12°064 | 43243 | 24 | 25°728 | 19°866 | 43411 | 22 | 21°217 | 7°818 | 43483 | 12 | 15°324 | 14°404 |
| 43172 | 12 | 25°221 | 12°166 | 43244 | 12 | 0°181 | 20°377 | 43412 | 27 | 21°218 | 7°825 | 43484 | 21 | 18°880 | 14°830 |
| 43173 | 8 | 0°414 | 13°704 | 43245 | 17 | 3°048 | 20°586 | 43413 | 21 | 0°350 | 8°884 | 43485 | 12 | 20°836 | 14°312 |
| 43174 | 11 | 0°666 | 13°446 | 43246 | 20 | 3°048 | 20°344 | 43414 | 16 | 1°310 | 8°462 | 43486 | 13 | 21°523 | 14°674 |
| 43175 | 11 | 5°816 | 13°718 | 43247 | 9 | 4°133 | 20°850 | 43415 | 21 | 3°098 | 8°228 | 43487 | 20 | 23°016 | 14°215 |
| 43176 | 18 | 8°770 | 13°342 | 43248 | 10 | 5°129 | 20°479 | 43416* | 62 | 6°930 | 8°252 | 43488 | 23 | 0°734 | 15°004 |
| 43177 | 14 | 13°388 | 13°566 | 43249 | 18 | 5°386 | 20°224 | 43417* | 46 | 13°300 | 8°419 | 43489 | 15 | 5°838 | 15°341 |
| 43178* | 34 | 13°740 | 13°283 | 43250 | 18 | 7°292 | 20°332 | 43418 | 14 | 17°763 | 8°130 | 43490 | 16 | 16°070 | 15°682 |
| 43179* | 29 | 20°990 | 13°856 | 43251 | 9 | 7°522 | 20°688 | 43419 | 26 | 20°065 | 8°118 | 43491 | 13 | 20°084 | 15°984 |
| 43180* | 65 | 2°032 | 14°402 | 43252 | 11 | 9°176 | 20°585 | 43420 | 17 | 20°084 | 8°405 | 43492 | 17 | 20°070 | 15°050 |
| 43181* | 47 | 3°174 | 14°732 | 43253 | 14 | 13°146 | 20°628 | 43421 | 21 | 20°165 | 8°076 | 43493 | 13 | 23°835 | 15°200 |
| 43182* | 22 | 5°250 | 14°874 | 43254 | 9 | 17°776 | 20°765 | 43422 | 11 | 27°795 | 9°400 | 43494 | 30 | 0°936 | 16°156 |
| 43183* | 14 | 7°802 | 14°332 | 43255 | 8 | 19°518 | 20°892 | 43423 | 12 | 6°077 | 9°404 | 43495 | 12 | 5°382 | 16°495 |
| 43184 | 17 | 18°282 | 14°730 | 43256 | 23 | 19°682 | 20°910 | 43424 | 14 | 14°770 | 9°556 | 43496 | 36 | 6°560 | 16°774 |
| 43185 | 19 | 24°544 | 14°604 | 43257 | 13 | 20°172 | 20°682 | 43425 | 15 | 15°235 | 9°508 | 43497 | 15 | 7°314 | 16°035 |
| 43186 | 21 | 3°522 | 15°510 | 43258 | 9 | 23°467 | 20°364 | 43426 | 15 | 19°716 | 9°264 | 43498 | 18 | 16°867 | 16°389 |
| 43187 | 9 | 11°700 | 15°630 | 43259 | 10 | 7°546 | 21°410 | 43427 | 12 | 19°734 | 9°264 | 43499 | 18 | 17°792 | 16°193 |
| 43188* | 20 | 13°426 | 15°512 | 43260 | 13 | 7°814 | 21°042 | 43428 | 16 | 21°300 | 9°943 | 43500* | 12 | 18°744 | 16°400 |
| 43189 | 8 | 19°200 | 15°298 | 43261* | 24 | 9°884 | 21°314 | 43429 | 12 | 0°150 | 10°900 | 43501 | 12 | 18°791 | 16°438 |
| 43190 | 30 | 22°624 | 15°070 | 43262 | 9 | 20°824 | 21°630 | 43430 | 15 | 3°182 | 10°406 | 43502 | 15 | 19°850 | 16°138 |
| 43191 | 18 | 1°505 | 16°840 | 43263 | 15 | 21°810 | 21°327 | 43431 | 16 | 3°442 | 10°309 | 43503 | 18 | 23°790 | 16°299 |
| 43192* | 100 | 2°108 | 16°929 | 43264 | 13 | 22°005 | 21°606 | 43432 | 16 | 3°710 | 10°844 | 43504 | 16 | 3°950 | 17°590 |
| 43193 | 8 | 4°092 | 16°762 | 43265 | 10 | 23°542 | 21°406 | 43433 | 34 | 6°344 | 10°103 | 43505 | 17 | 5°312 | 17°776 |
| 43194 | 13 | 9°837 | 16°600 | 43266 | 20 | 25°896 | 21°505 | 43434 | 21 | 6°641 | 10°915 | 43506 | 20 | 6°384 | 17°690 |
| 43195* | 23 | 14°851 | 16°232 | 43267 | 16 | 25°958 | 21°447 | 43435 | 18 | 8°364 | 10°833 | 43507 | 18 | 9°132 | 17°400 |
| 43196 | 11 | 20°232 | 16°922 | 43268 | 11 | 3°751 | 22°215 | 43436 | 38 | 9°902 | 10°968 | 43508 | 14 | 11°962 | 17°577 |
| 43197 | 26 | 22°816 | 16°224 | 43269 | 20 | 5°102 | 22°423 | 43437 | 13 | 10°803 | 10°954 | 43509 | 19 | 24°111 | 17°226 |
| 43198 | 29 | 0°150 | 17°304 | 43270 | 18 | 9°720 | 22°986 | 43438* | 38 | 11°093 | 10°631 | 43510 | 14 | 1°030 | 18°516 |
| 43199 | 23 | 5°164 | 17°010 | 43271 | 19 | 9°938 | 22°175 | 43439 | 16 | 13°576 | 10°364 | 43511 | 12 | 12°868 | 18°272 |
| 43200 | 9 | 7°490 | 17°246 | 43272 | 10 | 13°426 | 22°628 | 43440 | 13 | 14°443 | 10°666 | 43512 | 16 | 13°087 | 18°370 |
| 43201 | 14 | 7°521 | 17°630 | 43273 | 18 | 15°486 | 22°553 | 43441 | 34 | 21°625 | 10°540 | 43513 | 12 | 16°478 | 18°084 |
| 43202* | 48 | 8°720 | 17°330 | 43274 | 9 | 20°125 | 22°850 | 43442 | 20 | 22°114 | 10°812 | 43514 | 17 | 21°782 | 18°936 |
| 43203 | 8 | 10°097 | 17°406 | 43275* | 29 | 20°504 | 22°623 | 43443 | 20 | 22°442 | 10°629 | 43515 | 15 | 23°986 | 18°298 |
| 43204 | 8 | 11°062 | 17°003 | 43276 | 10 | 21°637 | 22°104 | 43444 | 14 | 23°813 | 10°629 | 43516 | 20 | 24°528 | 18°365 |
| 43205 | 17 | 12°460 | 17°203 | 43277 | 18 | 23°215 | 22°902 | 43445 | 25 | 0°080 | 11°998 | 43517 | 15 | 24°652 | 18°476 |
| 43206 | 13 | 14°083 | 17°076 | 43278 | 24 | 0°206 | 23°286 | 43446 | 21 | 0°384 | 11°788 | 43518 | 19 | 1°531 | 19°431 |
| 43207 | 11 | 14°970 | 17°648 | 43279 | 33 | 0°806 | 23°586 | 43447 | 18 | 1°825 | 11°808 | 43519 | 19 | 1°531 | 19°431 |
| 43208 | 10 | 16°496 | 17°666 | 43280 | 10 | 2°291 | 23°022 | 43448 | 18 | 3°220 | 11°836 | 43520 | 13 | 2°488 | 19°200 |
| 43209 | 16 | 17°377 | 17°620 | 43281* | 38 | 4°638 | 23°582 | 43449 | 14 | 3°959 | 11°686 | 43521* | 34 | 2°715 | 19°851 |
| 43210* | 32 | 18°317 | 17°227 | 43282 | 10 | 11°002 | 23°460 | 43450 | 23 | 6°048 | 11°996 | 43522 | 18 | 3°556 | 19°385 |
| 43211 | 9 | 20°068 | 17°103 | 43283 | 16 | 15°818 | 23°824 | 43451 | 17 | 6°649 | 11°708 | 43523 | 29 | 3°876 | 19°775 |
| 43212 | 13 | 25°818 | 17°678 | 43284 | 16 | 15°818 | 23°824 | 43452 | 14 | 12°298 | 11°150 | 43524 | 14 | 7°621 | 19°240 |
| 43213 | 10 | 0°342 | 18°032 | 43285 | 10 | 16°486 | 23°437 | 43453 | 17 | 22°545 | 11°475 | 43525 | 21 | 8°884 | 19°941 |
| 43214 | 10 | 6°662 | 18°751 | 43286 | 10 | 17°559 | 23°550 | 43454 | 16 | 24°990 | 11°906 | 43526 | 25 | 9°772 | 19°896 |
| 43215 | 14 | 7°104 | 18°018 | 43287 | 21 | 17°652 | 23°924 | 43455 | 17 | 0°474 | 12°902 | 43527 | 17 | 14°058 | 19°584 |
| 43216* | 38 | 8°152 | 18°208 | 43288 | 20 | 20°756 | 23°151 | 43456 | 18 | 3°312 | 12°379 | 43528 | 20 | 14°988 | 19°442 |
| 43217 | 10 | 8°558 | 18°080 | 43289 | 10 | 1°172 | 24°216 | 43457 | 13 | 5°615 | 12°886 | 43529 | 15 | 15°765 | 19°861 |
| 43218 | 10 | 10°184 | 18°000 | 43290 | 20 | 3°393 | 24°759 | 43458 | 15 | 4°445 | 12°591 | 43530 | 16 | 21°114 | 19°204 |
| 43219 | 18 | 12°074 | 18°716 | 43291 | 26 | 5°544 | 24°730 | 43459 | 11 | 5°615 | 12°084 | 43531 | 14 | 22°576 | 19°264 |
| 43220 | 10 | 17°035 | 18°425 | 43292 | 21 | 5°975 | 24°218 | 43460 | 16 | 14°675 | 12°658 | 43532 | 22 | 24°565 | 19°218 |
| 43221 | 13 | 18°260 | 18°070 | 43293 | 21 | 7°308 | 24°490 | 43461 | 20 | 20°528 | 12°952 | 43533 | 13 | 24°866 | 19°746 |
| 43222* | 22 | 19°042 | 18°077 | 43294 | 22 | 7°608 | 24°403 | 43462 | 33 | 21°418 | 12°330 | 43534 | 15 | 5°126 | 20°524 |
| 43223 | 10 | 20°018 | 18°627 | 43295 | 14 | 12°712 | 24°869 | 43463 | 22 | 23°501 | 12°319 | 43535* | 39 | 5°382 | 20°763 |
| 43224 | 20 | 20°028 | 18°986 | 43296 | 10 | 18°969 | 24°022 | 43464 | 17 | 23°658 | 12°082 | 43536 | 20 | 7°724 | 20°896 |
| 43225* | 25 | 21°588 | 18°598 | 43297 | 14 | 20°716 | 24°494 | 43465 | 12 | 5°313 | 13°223 | 43537 | 11 | 12°324 | 20°282 |
| 43226 | 10 | 0°666 | 19°344 | 43298 | 13 | 22°436 | 24°528 | 43466 | 16 | 7°568 | 13°714 | 43538 | 14 | 17°311 | 20°142 |
| 43227 | 10 | 2°958 | 19°532 | 43299* | 47 | 22°490 | 24°066 | 43467* | 40 | 11°648 | 13°640 | 43539 | 21 | 18°771 | 20°916 |
| 43228* | 38 | 3°385 | 19°144 | 43300 | 11 | 25°733 | 24°997 | 43468 | 15 | 14°066 | 13°289 | 43540 | 18 | 19°132 | 20°706 |
| 43229 | 14 | 4°958 | 19°214 | 43301 | 15 | 25°804 | 24°333 | 43469* | 24 | 14°372 | 13°539 | 43541 | 15 | 22°144 | 20°714 |
| 43230 | 13 | 6°040 | 19°078 | 43302 | 14 | 6°970 | 25°590 | 43470* | 110 | 16°220 | 13°488 | 43542 | 21 | 23°370 | 20°877 |
| 43231 | 9 | 10°766 | 19°134 | 43303 | 10 | 11°086 | 25°541 | 43471 | 11 | 17°806 | 13°295 | 43543 | 17 | 24°528 | 20°280 |
| 43232 | 8 | 11°327 | 19°084 | 43304 | 10 | 12°740 | 25°154 | 43472 | 17 | 18°422 | 13°067 | 43544 | 20 | 0°170 | 21°598 |
| 43233 | 9 | 11°438 | 19°015 | 43305 | 22 | 13°658 | 25°430 | 43473 | 17 | 19°395 | 13°270 | 43545 | 12 | 17°02 | 21°334 |
| 43234 | 8 | 13°096 | 19°094 | 43306 | 40 | 19°780 | 25°342 | 43474 | 12 | 21°254 | 13°138 | 43546 | 23 | 4°056 | 21°413 |
| 43235 | 10 | 16°088 | 19°779 | 43307 | 45 | 21°247 | 25°977 | 43475 | 16 | 25°074 | 13°176 | 43547 | 20 | 4°068 | 21°356 |
| 43236 | 21 | 17°064 | 19°932 | 43308 | 24 | 23°080 | 25°646 | 43476 | 20 | 25°364 | 13°035 | 43548 | 19 | 4°400 | 21°972 |
| 43237* | 27 | 18°528 | 19°029 | 43309 | 14 | 23°695 | 25°474 | 43477 | 14 | 1°040 | 14°105 | 43549 | 21 | 4°482 | 21°776 |

R.A. 15^h 48^m

Plate 1038; 1917 April 19.

Provisional Constants.

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-00405 -02588 -1546

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| No. | d | x | y |
|--------|----|--------|-------|
| 43351* | 37 | 4°108 | 0°664 |
| 43352 | 42 | 19°169 | 0°366 |
| 43353 | 33 | 20°160 | 0°900 |
| 43354 | 27 | 23°162 | 0°704 |
| 43355 | 26 | 7°036 | 1°728 |
| 43356 | 22 | 8°706 | 1°919 |
| 43357 | 17 | 9°345 | 1°316 |
| 43358 | 26 | 15°894 | 1°936 |
| 43359 | 20 | 17°190 | 1°567 |

| | | | | | | | | | | | | | | | | | | | |
|-------|-----|--------|--------|-------|----|--------|--------|-------|-----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
| 43550 | 16 | 6.439 | 21.385 | 43604 | 11 | 11.130 | 0.394 | 43676 | 22 | 1.106 | 12.733 | 43748 | 10 | 9.790 | 20.812 | 43804 | 31 | 12.386 | 0.542 |
| 43551 | 17 | 12.464 | 21.504 | 43605 | 46 | 16.754 | 0.908 | 43677 | 10 | 1.260 | 12.496 | 43749 | 11 | 15.267 | 20.748 | 43805 | 12 | 17.675 | 0.091 |
| 43552 | 16 | 16.210 | 21.450 | 43606 | 20 | 18.222 | 0.283 | 43678 | 12 | 2.590 | 12.296 | 43750 | 13 | 23.254 | 20.702 | 43806 | 65 | 18.868 | 0.524 |
| 43553 | 19 | 23.735 | 21.958 | 43607 | 17 | 24.840 | 0.620 | 43679 | 10 | 3.640 | 12.886 | 43751 | 16 | 24.920 | 20.378 | 43807 | 41 | 24.594 | 0.129 |
| 43554 | 18 | 23.856 | 21.266 | 43608 | 9 | 0.382 | 1.040 | 43680 | 8 | 6.248 | 12.303 | 43752 | 9 | 1.668 | 21.672 | 43808 | 9 | 0.330 | 1.698 |
| 43555 | 21 | 1.384 | 22.032 | 43609 | 19 | 0.580 | 1.126 | 43681 | 25 | 10.544 | 12.900 | 43753 | 11 | 2.277 | 21.286 | 43809 | 31 | 3.338 | 1.618 |
| 43556 | 16 | 5.299 | 22.422 | 43610 | 10 | 17.565 | 1.880 | 43682 | 10 | 18.282 | 12.500 | 43754 | 13 | 6.052 | 21.574 | 43810 | 17 | 3.761 | 1.611 |
| 43557 | 16 | 6.351 | 22.435 | 43611 | 11 | 21.285 | 1.578 | 43683 | 10 | 18.854 | 12.864 | 43755 | 34 | 15.965 | 21.124 | 43811 | 19 | 9.316 | 1.098 |
| 43558 | 160 | 11.568 | 22.638 | 43612 | 10 | 24.140 | 1.845 | 43684 | 18 | 2.982 | 13.420 | 43756 | 11 | 19.058 | 21.122 | 43812 | 8 | 9.509 | 1.926 |
| 43559 | 21 | 13.706 | 22.236 | 43613 | 28 | 25.486 | 1.550 | 43685 | 8 | 16.436 | 13.824 | 43757 | 8 | 20.542 | 21.327 | 43813 | 12 | 10.992 | 1.701 |
| 43560 | 17 | 14.077 | 22.576 | 43614 | 16 | 25.910 | 1.546 | 43686 | 10 | 17.128 | 13.730 | 43758 | 18 | 21.316 | 21.742 | 43814 | 8 | 11.277 | 1.060 |
| 43561 | 12 | 14.558 | 22.560 | 43615 | 10 | 6.504 | 2.344 | 43687 | 10 | 18.873 | 13.350 | 43759 | 10 | 21.331 | 21.119 | 43815 | 33 | 12.968 | 1.080 |
| 43562 | 20 | 17.078 | 22.886 | 43616 | 15 | 6.857 | 2.187 | 43688 | 42 | 24.792 | 13.923 | 43760 | 12 | 21.609 | 21.998 | 43816 | 81 | 13.010 | 1.782 |
| 43563 | 21 | 21.224 | 22.218 | 43617 | 11 | 7.364 | 2.655 | 43689 | 19 | 0.652 | 14.636 | 43761 | 12 | 1.500 | 22.368 | 43817 | 11 | 15.889 | 1.090 |
| 43564 | 14 | 22.769 | 22.562 | 43618 | 10 | 7.874 | 2.641 | 43690 | 12 | 3.962 | 14.784 | 43762 | 10 | 3.157 | 22.543 | 43818 | 11 | 21.347 | 1.788 |
| 43565 | 13 | 25.394 | 22.162 | 43619 | 11 | 13.695 | 2.888 | 43691 | 60 | 13.829 | 14.747 | 43763 | 10 | 4.052 | 22.018 | 43819 | 19 | 3.824 | 2.400 |
| 43566 | 13 | 11.658 | 23.705 | 43620 | 14 | 17.194 | 2.679 | 43692 | 11 | 14.876 | 14.934 | 43764 | 20 | 7.723 | 22.550 | 43820 | 13 | 5.108 | 2.844 |
| 43567 | 17 | 11.750 | 23.715 | 43621 | 25 | 20.237 | 2.352 | 43693 | 19 | 19.737 | 14.083 | 43765 | 16 | 8.400 | 22.842 | 43821 | 45 | 5.878 | 2.140 |
| 43568 | 16 | 15.080 | 23.718 | 43622 | 9 | 25.714 | 2.307 | 43694 | 10 | 20.340 | 14.142 | 43766 | 10 | 9.604 | 22.300 | 43822 | 8 | 7.850 | 2.238 |
| 43569 | 31 | 16.226 | 23.678 | 43623 | 15 | 25.960 | 2.335 | 43695 | 23 | 21.185 | 14.554 | 43767 | 10 | 10.152 | 22.940 | 43823 | 11 | 23.084 | 2.947 |
| 43570 | 17 | 16.282 | 23.986 | 43624 | 28 | 3.097 | 3.348 | 43696 | 10 | 25.385 | 14.566 | 43768 | 20 | 13.060 | 22.745 | 43824 | 25 | 4.309 | 3.134 |
| 43571 | 15 | 17.562 | 23.730 | 43625 | 17 | 10.721 | 3.069 | 43697 | 10 | 25.744 | 14.384 | 43769 | 10 | 24.410 | 22.938 | 43825 | 26 | 7.670 | 3.090 |
| 43572 | 15 | 17.652 | 23.418 | 43626 | 21 | 15.757 | 3.657 | 43698 | 31 | 4.220 | 15.830 | 43770 | 10 | 7.235 | 23.582 | 43826 | 10 | 8.291 | 3.108 |
| 43573 | 14 | 19.235 | 23.088 | 43627 | 11 | 0.790 | 4.496 | 43699 | 10 | 4.612 | 15.951 | 43771 | 10 | 7.344 | 23.142 | 43827 | 12 | 16.864 | 3.370 |
| 43574 | 18 | 20.518 | 23.606 | 43628 | 13 | 7.064 | 4.126 | 43700 | 8 | 6.430 | 15.672 | 43772 | 10 | 7.398 | 23.432 | 43828 | 39 | 0.496 | 5.054 |
| 43575 | 20 | 21.092 | 23.453 | 43629 | 14 | 7.075 | 4.196 | 43701 | 16 | 7.672 | 15.238 | 43773 | 11 | 9.150 | 23.937 | 43829 | 50 | 3.307 | 5.548 |
| 43576 | 20 | 0.625 | 24.360 | 43630 | 19 | 21.298 | 4.350 | 43702 | 8 | 11.830 | 15.395 | 43774 | 17 | 12.174 | 23.136 | 43830 | 9 | 17.442 | 5.303 |
| 43577 | 52 | 0.666 | 24.004 | 43631 | 76 | 21.614 | 4.074 | 43703 | 21 | 18.111 | 15.546 | 43775 | 9 | 13.972 | 23.558 | 43831 | 10 | 25.858 | 5.578 |
| 43578 | 23 | 4.051 | 24.242 | 43632 | 13 | 0.422 | 5.286 | 43704 | 12 | 20.850 | 15.302 | 43776 | 10 | 15.452 | 23.500 | 43832 | 37 | 1.038 | 6.358 |
| 43579 | 19 | 4.572 | 24.124 | 43633 | 23 | 3.010 | 5.070 | 43705 | 10 | 1.461 | 16.708 | 43777 | 9 | 23.066 | 23.156 | 43833 | 9 | 5.174 | 6.560 |
| 43580 | 16 | 5.436 | 24.759 | 43634 | 10 | 0.950 | 5.861 | 43706 | 9 | 3.866 | 16.122 | 43778 | 30 | 25.737 | 23.026 | 43834 | 32 | 23.580 | 6.832 |
| 43581 | 15 | 6.818 | 24.728 | 43635 | 13 | 10.740 | 5.781 | 43707 | 16 | 7.728 | 16.808 | 43779 | 11 | 0.530 | 24.052 | 43835 | 13 | 18.419 | 7.502 |
| 43582 | 20 | 8.676 | 24.308 | 43636 | 10 | 15.222 | 5.280 | 43708 | 48 | 17.900 | 16.101 | 43780 | 10 | 2.607 | 24.716 | 43836 | 47 | 24.804 | 7.580 |
| 43583 | 34 | 10.100 | 24.171 | 43637 | 15 | 19.974 | 5.641 | 43709 | 21 | 17.901 | 16.850 | 43781 | 11 | 4.034 | 24.942 | 43837 | 21 | 2.243 | 8.036 |
| 43584 | 16 | 11.842 | 24.257 | 43638 | 35 | 22.588 | 5.540 | 43710 | 12 | 1.798 | 17.630 | 43782 | 15 | 9.935 | 24.396 | 43838 | 25 | 6.940 | 8.065 |
| 43585 | 38 | 13.042 | 24.372 | 43639 | 59 | 25.405 | 5.473 | 43711 | 32 | 20.913 | 17.077 | 43783 | 15 | 9.390 | 24.893 | 43839 | 20 | 0.249 | 9.214 |
| 43586 | 19 | 14.424 | 24.942 | 43640 | 13 | 4.804 | 6.367 | 43712 | 9 | 25.534 | 17.482 | 43784 | 18 | 9.394 | 24.417 | 43840 | 25 | 1.980 | 9.220 |
| 43587 | 15 | 14.769 | 24.677 | 43641 | 21 | 15.971 | 6.915 | 43713 | 82 | 23.466 | 17.446 | 43785 | 10 | 12.486 | 24.000 | 43841 | 16 | 5.166 | 9.666 |
| 43588 | 23 | 14.844 | 24.972 | 43642 | 10 | 18.382 | 6.892 | 43714 | 14 | 24.172 | 17.142 | 43786 | 11 | 14.048 | 24.510 | 43842 | 10 | 5.900 | 9.591 |
| 43589 | 21 | 21.420 | 24.516 | 43643 | 34 | 23.123 | 6.250 | 43715 | 9 | 24.519 | 17.466 | 43787 | 9 | 16.020 | 24.706 | 43843 | 86 | 10.586 | 9.465 |
| 43590 | 16 | 22.726 | 24.228 | 43644 | 13 | 3.726 | 7.640 | 43716 | 16 | 25.318 | 17.098 | 43788 | 42 | 20.998 | 24.750 | 43844 | 18 | 20.630 | 9.405 |
| 43591 | 18 | 24.464 | 24.319 | 43645 | 12 | 8.654 | 7.236 | 43717 | 10 | 1.690 | 18.700 | 43789 | 10 | 24.502 | 24.416 | 43845 | 8 | 22.404 | 9.306 |
| 43592 | 32 | 1.274 | 25.576 | 43646 | 14 | 12.565 | 7.816 | 43718 | 14 | 1.960 | 18.764 | 43790 | 8 | 24.676 | 24.547 | 43846 | 8 | 0.930 | 10.430 |
| 43593 | 24 | 1.885 | 25.398 | 43647 | 19 | 14.126 | 7.674 | 43719 | 11 | 2.100 | 18.878 | 43791 | 9 | 3.087 | 25.684 | 43847 | 9 | 1.349 | 10.222 |
| 43594 | 20 | 7.865 | 25.900 | 43648 | 10 | 14.768 | 7.800 | 43720 | 13 | 3.354 | 18.575 | 43792 | 15 | 3.123 | 25.944 | 43848 | 13 | 9.556 | 10.112 |
| 43595 | 23 | 11.688 | 25.606 | 43649 | 14 | 15.460 | 7.711 | 43721 | 9 | 9.660 | 18.018 | 43793 | 9 | 10.800 | 25.435 | 43849 | 30 | 10.712 | 10.080 |
| 43596 | 23 | 12.732 | 25.568 | 43650 | 13 | 16.080 | 7.027 | 43722 | 26 | 13.390 | 18.592 | 43794 | 10 | 15.410 | 25.455 | 43850 | 8 | 18.730 | 10.852 |
| 43597 | 20 | 14.054 | 25.263 | 43651 | 10 | 19.760 | 7.221 | 43723 | 12 | 15.084 | 18.322 | 43795 | 10 | 18.300 | 25.144 | 43851 | 71 | 19.040 | 10.235 |
| 43598 | 42 | 20.570 | 25.784 | 43652 | 13 | 20.520 | 7.096 | 43724 | 10 | 15.145 | 18.661 | | | | | 43852 | 13 | 19.382 | 10.202 |
| 43599 | 27 | 25.298 | 25.562 | 43653 | 9 | 23.899 | 7.252 | 43725 | 11 | 17.294 | 18.479 | | | | | 43853 | 10 | 0.881 | 11.320 |
| | | | | 43654 | 14 | 3.667 | 8.082 | 43726 | 67 | 18.658 | 18.438 | | | | | 43854 | 10 | 0.922 | 11.102 |
| | | | | 43655 | 11 | 4.526 | 8.478 | 43727 | 10 | 19.542 | 18.200 | | | | | 43855 | 16 | 3.511 | 11.708 |
| | | | | 43656 | 21 | 5.183 | 8.393 | 43728 | 14 | 21.944 | 18.388 | | | | | 43856 | 10 | 5.992 | 11.260 |
| | | | | 43657 | 8 | 14.614 | 8.276 | 43729 | 10 | 22.613 | 18.120 | | | | | 43857 | 12 | 6.821 | 11.755 |
| | | | | 43658 | 13 | 21.670 | 8.310 | 43730 | 200 | 22.607 | 18.906 | | | | | 43858 | 20 | 7.956 | 11.935 |
| | | | | 43659 | 18 | 24.292 | 8.547 | 43731 | 39 | 24.884 | 18.654 | | | | | 43859 | 10 | 17.316 | 11.530 |
| | | | | 43660 | 30 | 10.349 | 9.020 | 43732 | 12 | 2.096 | 19.694 | | | | | 43860 | 8 | 7.704 | 12.190 |
| | | | | 43661 | 10 | 15.312 | 9.948 | 43733 | 18 | 2.285 | 19.614 | | | | | 43861 | 10 | 16.372 | 12.900 |
| | | | | 43662 | 9 | 21.366 | 9.764 | 43734 | 10 | 8.974 | 19.705 | | | | | 43862 | 15 | 15.356 | 13.020 |
| | | | | 43663 | 18 | 22.291 | 9.099 | 43735 | 20 | 9.176 | 19.818 | | | | | 43863 | 12 | 18.203 | 13.351 |
| | | | | 43664 | 24 | 21.020 | 9.128 | 43736 | 18 | 10.256 | 19.813 | | | | | 43864 | 31 | 24.872 | 13.454 |
| | | | | 43665 | 15 | 0.013 | 10.558 | 43737 | 19 | 11.290 | 19.626 | | | | | 43865 | 41 | 2.819 | 14.002 |
| | | | | 43666 | 8 | 12.814 | 10.950 | 43738 | 80 | 16.218 | 19.292 | | | | | 43866 | 26 | 5.114 | 14.780 |
| | | | | 43667 | 42 | 18.702 | 10.667 | 43739 | 10 | 22.636 | 19.332 | | | | | 43867 | 16 | 5.166 | 14.603 |
| | | | | 43668 | 11 | 22.937 | 10.998 | 43740 | 12 | 25.184 | 19.838 | | | | | 43868 | 73 | 11.447 | 14.868 |
| | | | | 43669 | 8 | 4.476 | 11.540 | 43741 | 20 | 1.107 | 20.693 | | | | | 43869 | 31 | 15.154 | 14.102 |
| | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------|-----|--------|--------|--------|----|--------|--------|-------|----|--------|--------|--------|-----|--------|--------|
| 43876 | 20 | 14°03' | 15°52' | 44005* | 78 | 17°57' | 7°830 | 44077 | 25 | 2°04' | 25°354 | 44146 | 11 | 2°62' | 7°678 |
| 43877 | 16 | 18°44' | 15°892 | 44006 | 34 | 20°879 | 7°143 | 44078 | 11 | 7°725 | 25°733 | 44147 | 10 | 3°538 | 7°856 |
| 43878 | 17 | 20°014 | 15°439 | 44007 | 8 | 23°121 | 7°127 | 44079 | 13 | 23°724 | 25°750 | 44148 | 10 | 4°555 | 7°220 |
| 43879* | 74 | 20°788 | 15°390 | 44008 | 8 | 14°042 | 8°813 | | | | | 44149* | 43 | 5°038 | 7°256 |
| 43880 | 14 | 6°728 | 16°644 | 44009* | 32 | 18°292 | 8°366 | | | | | 44150 | 31 | 5°219 | 7°122 |
| 43881 | 8 | 13°065 | 16°362 | 44010 | 9 | 20°651 | 8°248 | | | | | 44151 | 11 | 5°462 | 7°339 |
| 43882* | 80 | 10°765 | 16°282 | 44011 | 26 | 21°926 | 8°248 | | | | | 44152 | 12 | 6°672 | 7°072 |
| 43883 | 21 | 24°832 | 16°252 | 44012 | 10 | 0°287 | 9°020 | | | | | 44153 | 15 | 10°758 | 7°955 |
| 43884* | 80 | 15°538 | 17°546 | 44013 | 20 | 18°782 | 9°338 | | | | | 44154 | 11 | 19°326 | 7°150 |
| 43885 | 15 | 2°247 | 17°231 | 44014 | 8 | 19°608 | 9°634 | | | | | 44155 | 12 | 22°082 | 7°202 |
| 43886 | 14 | 3°393 | 17°170 | 44015 | 20 | 21°702 | 10°186 | | | | | 44156 | 18 | 22°168 | 7°544 |
| 43887 | 15 | 8°098 | 17°300 | 44016* | 30 | 4°036 | 11°933 | | | | | 44157 | 23 | 13°982 | 8°146 |
| 43888 | 12 | 9°758 | 17°585 | 44017 | 24 | 12°334 | 11°115 | | | | | 44158 | 18 | 18°000 | 8°260 |
| 43889 | 25 | 11°577 | 17°665 | 44018 | 27 | 18°560 | 11°780 | | | | | 44159 | 30 | 3°800 | 9°188 |
| 43890 | 9 | 11°626 | 17°649 | 44019 | 26 | 4°512 | 12°610 | | | | | 44160 | 14 | 3°924 | 9°002 |
| 43891 | 15 | 12°944 | 17°322 | 44020 | 17 | 17°022 | 12°156 | | | | | 44161 | 12 | 4°068 | 9°156 |
| 43892 | 9 | 23°721 | 17°968 | 44021 | 19 | 20°766 | 12°076 | | | | | 44162 | 21 | 5°997 | 9°161 |
| 43893 | 10 | 24°632 | 17°022 | 44022 | 15 | 23°275 | 12°466 | | | | | 44163 | 11 | 6°378 | 9°888 |
| 43894 | 39 | 24°903 | 17°240 | 44023 | 31 | 2°720 | 13°754 | | | | | 44164 | 14 | 7°514 | 9°036 |
| 43895 | 14 | 0°036 | 18°508 | 44024 | 10 | 19°671 | 13°870 | | | | | 44165 | 16 | 7°966 | 9°360 |
| 43896* | 220 | 0°693 | 18°908 | 44025 | 12 | 1°173 | 14°132 | | | | | 44166 | 16 | 8°532 | 9°094 |
| 43897 | 10 | 0°608 | 18°232 | 44026 | 11 | 14°236 | 14°972 | | | | | 44167 | 24 | 9°380 | 9°002 |
| 43898* | 42 | 2°078 | 18°733 | 44027 | 8 | 22°479 | 14°751 | | | | | 44168 | 14 | 22°434 | 9°232 |
| 43899 | 14 | 4°246 | 18°954 | 44028 | 29 | 24°186 | 14°206 | | | | | 44169 | 15 | 7°616 | 10°094 |
| 43900 | 8 | 10°188 | 18°606 | 44029 | 10 | 1°411 | 15°228 | | | | | 44170 | 14 | 10°010 | 10°340 |
| 43901 | 10 | 25°735 | 18°890 | 44030 | 22 | 13°965 | 15°053 | | | | | 44171 | 30 | 13°498 | 10°750 |
| 43902 | 14 | 3°298 | 19°912 | 44031 | 22 | 15°386 | 15°575 | | | | | 44172 | 11 | 16°438 | 10°745 |
| 43903 | 9 | 5°566 | 19°530 | 44032 | 12 | 16°902 | 15°221 | | | | | 44173 | 11 | 0°205 | 11°152 |
| 43904 | 10 | 18°784 | 19°305 | 44033 | 12 | 19°010 | 15°952 | | | | | 44174 | 11 | 1°428 | 11°124 |
| 43905 | 11 | 22°209 | 19°324 | 44034 | 24 | 2°700 | 16°553 | | | | | 44175 | 14 | 1°732 | 11°153 |
| 43906 | 13 | 1°378 | 20°804 | 44035 | 8 | 5°764 | 16°477 | | | | | 44176 | 13 | 2°723 | 11°504 |
| 43907 | 13 | 3°044 | 20°454 | 44036 | 8 | 9°282 | 16°432 | | | | | 44177 | 27 | 3°682 | 11°262 |
| 43908 | 10 | 11°280 | 20°901 | 44037 | 15 | 11°814 | 16°136 | | | | | 44178 | 16 | 9°553 | 11°984 |
| 43909 | 20 | 14°046 | 20°346 | 44038 | 11 | 2°502 | 17°324 | | | | | 44179 | 15 | 10°009 | 11°856 |
| 43910 | 9 | 23°274 | 20°659 | 44039 | 35 | 2°774 | 17°540 | | | | | 44180 | 28 | 10°189 | 11°437 |
| 43911 | 8 | 0°852 | 21°885 | 44040 | 18 | 4°857 | 17°026 | | | | | 44181 | 13 | 12°671 | 11°385 |
| 43912* | 36 | 7°315 | 21°110 | 44041 | 14 | 12°880 | 17°664 | | | | | 44182* | 44 | 14°846 | 11°678 |
| 43913 | 13 | 0°556 | 21°740 | 44042 | 36 | 15°414 | 17°783 | | | | | 44183 | 11 | 18°673 | 11°241 |
| 43914 | 17 | 11°141 | 21°428 | 44043 | 9 | 17°554 | 17°158 | | | | | 44184 | 15 | 22°702 | 11°459 |
| 43915 | 11 | 12°157 | 21°878 | 44044 | 8 | 12°304 | 18°504 | | | | | 44185 | 21 | 0°966 | 12°712 |
| 43916* | 44 | 15°740 | 21°340 | 44045 | 10 | 16°570 | 18°040 | | | | | 44186 | 10 | 2°146 | 12°952 |
| 43917 | 13 | 21°251 | 21°186 | 44046 | 10 | 17°490 | 18°226 | | | | | 44187 | 14 | 8°349 | 12°495 |
| 43918 | 9 | 11°868 | 22°856 | 44047 | 10 | 0°094 | 19°642 | | | | | 44188 | 18 | 8°970 | 12°230 |
| 43919 | 10 | 16°617 | 22°043 | 44048 | 11 | 8°806 | 19°588 | | | | | 44189 | 14 | 9°565 | 12°174 |
| 43920* | 19 | 17°758 | 22°607 | 44049* | 34 | 14°834 | 19°006 | | | | | 44190 | 21 | 12°692 | 12°251 |
| 43921 | 37 | 3°068 | 23°093 | 44050 | 8 | 5°782 | 20°652 | | | | | 44191 | 17 | 16°241 | 12°882 |
| 43922 | 10 | 16°214 | 23°768 | 44051 | 11 | 9°984 | 20°636 | | | | | 44192 | 20 | 17°918 | 12°247 |
| 43923 | 25 | 18°620 | 23°277 | 44052* | 43 | 21°810 | 20°864 | | | | | 44193 | 13 | 18°532 | 12°931 |
| 43924 | 11 | 23°586 | 23°971 | 44053 | 10 | 4°122 | 21°573 | | | | | 44194 | 14 | 7°824 | 13°334 |
| 43925 | 12 | 2°683 | 24°498 | 44054 | 33 | 15°330 | 21°256 | | | | | 44195 | 24 | 20°217 | 13°718 |
| 43926 | 11 | 8°043 | 24°793 | 44055 | 44 | 4°922 | 22°070 | | | | | 44196 | 28 | 1°896 | 14°440 |
| 43927 | 20 | 8°180 | 24°968 | 44056 | 15 | 6°620 | 22°563 | | | | | 44197 | 13 | 7°054 | 14°372 |
| 43928 | 19 | 10°957 | 24°986 | 44057* | 48 | 7°216 | 22°404 | | | | | 44198 | 16 | 22°748 | 14°683 |
| 43929 | 10 | 12°314 | 24°378 | 44058 | 61 | 10°360 | 22°736 | | | | | 44199 | 23 | 10°170 | 15°813 |
| 43930 | 14 | 15°300 | 24°348 | 44059 | 29 | 14°058 | 22°606 | | | | | 44200 | 20 | 18°064 | 15°235 |
| 43931 | 16 | 17°725 | 24°296 | 44060* | 50 | 18°824 | 22°068 | | | | | 44201 | 23 | 14°014 | 16°298 |
| 43932 | 10 | 18°883 | 24°900 | 44061* | 65 | 18°894 | 22°204 | | | | | 44202 | 13 | 14°740 | 16°734 |
| 43933 | 8 | 4°768 | 25°840 | 44062* | 60 | 20°021 | 22°930 | | | | | 44203 | 19 | 13°922 | 17°687 |
| 43934 | 9 | 8°443 | 25°032 | 44063 | 44 | 20°335 | 22°888 | | | | | 44204 | 14 | 15°729 | 18°873 |
| 43935 | 10 | 4°850 | 25°846 | 44064 | 10 | 3°900 | 23°280 | | | | | 44205 | 11 | 16°310 | 18°424 |
| 43936 | 20 | 9°456 | 25°476 | 44065 | 36 | 5°000 | 23°179 | | | | | 44206* | 51 | 11°402 | 19°916 |
| 43937 | 15 | 11°144 | 25°491 | 44066 | 8 | 1°334 | 24°520 | | | | | 44207 | 15 | 17°500 | 20°314 |
| 43938 | 11 | 14°930 | 25°923 | 44067 | 12 | 1°500 | 24°280 | | | | | 44208 | 12 | 20°624 | 20°366 |
| 43939 | 37 | 15°903 | 25°880 | 44068 | 10 | 1°687 | 24°412 | | | | | 44209 | 13 | 9°102 | 21°400 |
| 43940 | 19 | 20°758 | 25°528 | 44069* | 40 | 4°000 | 24°252 | | | | | 44210 | 21 | 14°920 | 21°576 |
| 43941 | 25 | 22°372 | 25°512 | 44070 | 8 | 5°342 | 24°723 | | | | | 44211 | 12 | 25°054 | 21°742 |
| 43942 | 16 | 24°122 | 25°050 | 44071* | 36 | 6°201 | 24°308 | | | | | 44212* | 117 | 7°710 | 22°246 |
| | | | | 44072 | 8 | 8°466 | 24°185 | | | | | 44213 | 12 | 9°504 | 22°157 |
| | | | | 44073 | 12 | 11°001 | 24°238 | | | | | 44214 | 14 | 7°442 | 23°655 |
| | | | | 44074* | 63 | 16°231 | 24°085 | | | | | 44215 | 13 | 13°622 | 23°756 |
| | | | | 44075 | 25 | 24°114 | 24°505 | | | | | 44216 | 26 | 1°934 | 24°739 |
| | | | | 44076 | 28 | 0°295 | 25°826 | | | | | 44217 | 19 | 14°104 | 24°397 |

| | | | | | | | | | | | | | | | | |
|---|----|--------|--------|-------|----|--------|--------|---|-------|--------|--------|--|--------|--------|--------|--------|
| 44218 | 12 | 18°33' | 24°98' | 44296 | 21 | 24°12' | 10°58' | R.A. 16 ^h 36 ^m Plate 1025; 1917 Mar. 26. Provisional Constants. A B C -02570 +00125 +0953 D E F -00093 -02587 -3442 Mag.=15.9-1.09√d | 44456 | 12 | 20°42' | 9°90' | 44528 | 11 | 19°47' | 21°93' |
| 44219 | 18 | 1°56' | 25°98' | 44297 | 18 | 0°70' | 11°38' | | 44457 | 19 | 2°16' | 10°35' | 44529 | 13 | 23°30' | 21°66' |
| 44220 | 39 | 11°23' | 25°49' | 44298 | 16 | 22°61' | 11°58' | | 44458 | 11 | 7°30' | 10°41' | 44530 | 23 | 23°46' | 21°310 |
| R.A. 16 ^h 28 ^m Plate 1208; 1918 Mar. 11. Provisional Constants. A B C -02598 +00461 -1228 D E F -00472 -02598 +0031 Mag.=18.0-1.09√d | | | | | | | | | 44459 | 13 | 10°66' | 10°104 | 44531 | 25 | 24°88' | 21°372 |
| | | | | | | | | | 44460 | 12 | 11°206 | 10°410 | 44532 | 24 | 25°976 | 21°755 |
| | | | | | | | | | 44461 | 13 | 18°597 | 10°499 | 44533 | 14 | 0°380 | 22°392 |
| | | | | | | | | | 44462 | 17 | 19°172 | 10°582 | 44534 | 10 | 7°146 | 22°896 |
| | | | | | | | | | 44463 | 9 | 19°304 | 10°761 | 44535* | 41 | 13°848 | 22°503 |
| | | | | | | | | | 44464 | 9 | 19°568 | 10°248 | 44536 | 11 | 18°902 | 22°768 |
| | | | | | | | | | 44465 | 20 | 21°034 | 10°663 | 44537 | 29 | 19°560 | 22°648 |
| | | | | | | | | 44466 | 25 | 21°505 | 10°042 | 44538 | 23 | 1°898 | 23°736 | |
| | | | | | | | | 44467 | 13 | 0°661 | 11°367 | 44539 | 20 | 8°074 | 23°952 | |
| | | | | | | | | 44468 | 23 | 1°517 | 11°408 | 44540 | 14 | 13°272 | 23°822 | |
| | | | | | | | | 44469 | 23 | 4°599 | 11°688 | 44541 | 23 | 13°861 | 23°533 | |
| | | | | | | | | 44470 | 27 | 9°772 | 11°790 | 44542* | 45 | 13°902 | 23°966 | |
| | | | | | | | | 44471 | 10 | 10°149 | 11°698 | 44543 | 14 | 14°104 | 23°612 | |
| | | | | | | | | 44472 | 14 | 20°587 | 11°552 | 44544* | 42 | 14°232 | 23°698 | |
| | | | | | | | | 44473* | 46 | 22°893 | 11°785 | 44545 | 9 | 16°104 | 23°320 | |
| | | | | | | | | 44474 | 25 | 2°792 | 12°600 | 44546 | 12 | 16°912 | 23°644 | |
| | | | | | | | | 44475 | 15 | 10°626 | 12°630 | 44547 | 20 | 1°198 | 24°754 | |
| | | | | | | | | 44476 | 26 | 21°594 | 12°180 | 44548 | 12 | 3°943 | 24°942 | |
| | | | | | | | | 44477 | 10 | 2°778 | 13°094 | 44549 | 16 | 4°544 | 24°894 | |
| | | | | | | | | 44478 | 25 | 17°323 | 13°132 | 44550 | 25 | 4°808 | 24°922 | |
| | | | | | | | | 44479 | 10 | 22°530 | 13°494 | 44551 | 10 | 13°608 | 24°373 | |
| | | | | | | | | 44480 | 15 | 23°107 | 13°332 | 44552* | 32 | 17°387 | 24°456 | |
| | | | | | | | | 44481 | 19 | 24°160 | 13°392 | 44553 | 19 | 5°619 | 25°783 | |
| | | | | | | | | 44482 | 11 | 7°612 | 14°400 | 44554 | 17 | 8°968 | 25°072 | |
| | | | | | | | | 44483 | 9 | 24°520 | 14°850 | 44555 | 23 | 9°857 | 25°644 | |
| | | | | | | | | 44484 | 8 | 3°375 | 15°217 | 44556 | 13 | 16°038 | 25°784 | |
| | | | | | | | | 44485 | 28 | 3°940 | 15°905 | 44557 | 22 | 19°811 | 25°080 | |
| | | | | | | | | 44486 | 15 | 5°256 | 15°358 | 44558 | 22 | 20°672 | 25°113 | |
| | | | | | | | | 44487 | 17 | 5°370 | 15°732 | 44559 | 14 | 25°116 | 25°120 | |
| | | | | | | | | 44488 | 13 | 5°804 | 15°902 | R.A. 16 ^h 44 ^m Plate 1049; 1917 May 19. Provisional Constants. A B C -02600 +00658 -0856 D E F -00646 -02554 +2514 Mag.=16.1-1.09√d | | | | |
| | | | | | | | | 44489 | 20 | 9°142 | 15°384 | | | | | |
| | | | | | | | | 44490 | 26 | 12°668 | 15°216 | | | | | |
| | | | | | | | | 44491 | 15 | 17°330 | 15°557 | | | | | |
| | | | | | | | | 44492 | 18 | 20°102 | 15°717 | | | | | |
| | | | | | | | | 44493 | 22 | 22°694 | 15°260 | | | | | |
| | | | | | | | | 44494 | 32 | 3°462 | 16°136 | | | | | |
| | | | | | | | | 44495 | 12 | 5°438 | 16°476 | | | | | |
| | | | | | | | | 44496 | 11 | 9°220 | 16°960 | | | | | |
| | | | | | | | | 44497 | 12 | 25°140 | 16°027 | | | | | |
| | | | | | | | | 44498 | 10 | 2°814 | 17°248 | | | | | |
| | | | | | | | | 44499 | 18 | 2°914 | 17°491 | | | | | |
| | | | | | | | | 44500 | 21 | 22°944 | 17°048 | | | | | |
| | | | | | | | | 44501 | 14 | 3°287 | 18°334 | | | | | |
| | | | | | | | | 44502 | 28 | 3°062 | 18°585 | | | | | |
| | | | | | | | | 44503 | 8 | 18°114 | 18°559 | | | | | |
| | | | | | | | | 44504 | 22 | 19°393 | 18°166 | | | | | |
| | | | | | | | | 44505 | 14 | 21°032 | 18°182 | | | | | |
| | | | | | | | | 44506 | 10 | 0°418 | 19°882 | | | | | |
| | | | | | | | | 44507 | 12 | 5°621 | 19°466 | | | | | |
| | | | | | | | | 44508 | 11 | 18°298 | 19°018 | | | | | |
| | | | | | | | | 44509 | 15 | 22°024 | 19°750 | | | | | |
| | | | | | | | | 44510 | 31 | 24°158 | 19°072 | | | | | |
| | | | | | | | | 44511 | 14 | 25°477 | 19°600 | | | | | |
| | | | | | | | | 44512 | 12 | 25°500 | 19°360 | | | | | |
| | | | | | | | | 44513 | 10 | 25°625 | 19°807 | | | | | |
| | | | | | | | | 44514 | 32 | 8°082 | 20°054 | | | | | |
| | | | | | | | | 44515 | 15 | 12°612 | 20°492 | | | | | |
| | | | | | | | | 44516* | 93 | 12°834 | 20°898 | | | | | |
| | | | | | | | | 44517 | 11 | 14°604 | 20°624 | | | | | |
| | | | | | | | | 44518 | 31 | 15°418 | 20°847 | | | | | |
| | | | | | | | | 44519 | 12 | 16°118 | 20°128 | | | | | |
| | | | | | | | | 44520 | 15 | 19°626 | 20°226 | | | | | |
| | | | | | | | | 44521 | 33 | 19°780 | 20°094 | | | | | |
| | | | | | | | | 44522* | 26 | 21°386 | 20°158 | | | | | |
| | | | | | | | | 44523 | 10 | 23°835 | 20°197 | | | | | |
| | | | | | | | | 44524 | 25 | 25°759 | 20°652 | | | | | |
| | | | | | | | | 44525 | 10 | 8°612 | 21°763 | | | | | |
| | | | | | | | | 44526 | 11 | 11°130 | 21°343 | | | | | |
| | | | | | | | | 44527 | 29 | 18°476 | 21°628 | | | | | |
| | | | | | | | | No. d x y | | | | | | | | |
| | | | | | | | | 44601 | 8 | 0°384 | 0°611 | | | | | |
| | | | | | | | | 44602 | 11 | 2°556 | 0°176 | | | | | |
| | | | | | | | | 44603 | 31 | 10°200 | 0°327 | | | | | |
| | | | | | | | | 44604 | 37 | 13°512 | 0°598 | | | | | |
| | | | | | | | | 44605 | 9 | 21°458 | 0°675 | | | | | |
| | | | | | | | | 44606 | 13 | 24°418 | 0°498 | | | | | |
| | | | | | | | | 44607 | 15 | 25°476 | 1°830 | | | | | |
| | | | | | | | | 44608 | 17 | 25°941 | 1°524 | | | | | |
| | | | | | | | | 44609 | 12 | 2°496 | 2°886 | | | | | |
| | | | | | | | | 44610 | 12 | 4°717 | 2°255 | | | | | |
| | | | | | | | | 44611 | 12 | 5°382 | 2°439 | | | | | |
| | | | | | | | | 44612 | 42 | 12°522 | 2°147 | | | | | |
| | | | | | | | | 44613 | 16 | 18°623 | 2°155 | | | | | |
| | | | | | | | | 44614 | 8 | 21°056 | 2°845 | | | | | |
| | | | | | | | | 44615 | 9 | 22°876 | 2°868 | | | | | |
| | | | | | | | | 44616 | 9 | 0°477 | 3°705 | | | | | |

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|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|-------|--------|----|--------|--------|
| 44617 | 16 | 5°000 | 3°083 | 44680 | 9 | 15°333 | 14°368 | 44761 | 12 | 10°082 | 21°492 | 44811* | 37 | 11°990 | 1°282 | 44883 | 11 | 18°090 | 10°562 |
| 44618 | 14 | 17°088 | 3°041 | 44690 | 16 | 18°052 | 14°054 | 44762 | 16 | 15°542 | 21°526 | 44812 | 12 | 14°105 | 1°206 | 44884 | 12 | 21°328 | 10°522 |
| 44619 | 18 | 19°138 | 3°283 | 44691 | 8 | 19°692 | 14°208 | 44763 | 8 | 15°760 | 21°820 | 44813* | 56 | 19°142 | 1°064 | 44885 | 14 | 21°350 | 10°923 |
| 44620 | 20 | 20°134 | 3°722 | 44692 | 30 | 20°092 | 14°862 | 44764 | 11 | 16°418 | 21°823 | 44814 | 11 | 19°296 | 1°896 | 44886 | 12 | 22°092 | 10°822 |
| 44621 | 12 | 0°276 | 4°048 | 44693 | 8 | 23°118 | 14°878 | 44765 | 10 | 16°796 | 21°254 | 44815 | 10 | 19°634 | 1°510 | 44887* | 34 | 22°355 | 10°124 |
| 44622 | 13 | 0°153 | 4°130 | 44694* | 46 | 23°858 | 14°532 | 44766 | 16 | 19°120 | 21°844 | 44816 | 28 | 7°364 | 2°058 | 44888 | 23 | 25°454 | 10°850 |
| 44623* | 41 | 0°528 | 4°105 | 44695 | 16 | 25°206 | 14°318 | 44767 | 9 | 2°114 | 22°586 | 44817 | 11 | 15°108 | 2°098 | 44889 | 10 | 3°408 | 11°483 |
| 44624 | 27 | 0°081 | 4°849 | 44696 | 14 | 25°334 | 14°156 | 44768 | 22 | 3°900 | 22°314 | 44818* | 80 | 17°746 | 2°022 | 44890 | 10 | 6°249 | 11°508 |
| 44625 | 10 | 11°398 | 4°097 | 44697 | 16 | 25°737 | 14°442 | 44769 | 32 | 4°284 | 22°660 | 44819 | 28 | 19°707 | 2°795 | 44891 | 10 | 22°652 | 11°233 |
| 44626 | 9 | 17°384 | 4°116 | 44698 | 13 | 0°508 | 15°880 | 44770 | 8 | 10°456 | 22°661 | 44820 | 10 | 22°632 | 2°528 | 44892 | 14 | 24°412 | 11°455 |
| 44627 | 13 | 21°164 | 4°810 | 44699* | 31 | 7°828 | 15°150 | 44771 | 10 | 10°886 | 22°404 | 44821 | 15 | 5°158 | 3°222 | 44893 | 13 | 25°748 | 11°349 |
| 44628 | 21 | 21°552 | 5°346 | 44700 | 11 | 8°092 | 15°764 | 44772 | 12 | 11°776 | 22°887 | 44822 | 13 | 8°956 | 3°664 | 44894 | 9 | 1°934 | 12°256 |
| 44629 | 19 | 6°368 | 5°204 | 44701 | 16 | 10°868 | 15°643 | 44773 | 20 | 15°366 | 22°070 | 44823 | 22 | 10°617 | 3°858 | 44895 | 12 | 2°105 | 12°610 |
| 44630 | 8 | 7°710 | 5°730 | 44702 | 9 | 16°234 | 15°300 | 44774 | 14 | 20°732 | 22°483 | 44824 | 11 | 13°256 | 3°398 | 44896 | 15 | 4°231 | 12°245 |
| 44631 | 28 | 24°760 | 5°098 | 44703 | 10 | 17°846 | 15°122 | 44775 | 50 | 4°648 | 23°661 | 44825 | 23 | 13°979 | 3°124 | 44897 | 12 | 5°287 | 12°810 |
| 44632 | 11 | 1°850 | 6°707 | 44704 | 27 | 18°669 | 15°866 | 44776* | 10 | 9°140 | 23°583 | 44826* | 29 | 14°420 | 3°441 | 44898 | 10 | 12°404 | 12°637 |
| 44633 | 10 | 19°517 | 6°478 | 44705* | 54 | 19°554 | 15°002 | 44777 | 38 | 9°702 | 23°257 | 44827 | 25 | 4°245 | 4°367 | 44899* | 38 | 19°299 | 12°835 |
| 44634 | 28 | 20°820 | 6°436 | 44706 | 8 | 22°026 | 15°052 | 44778* | 8 | 11°551 | 23°586 | 44828 | 11 | 12°048 | 4°390 | 44900 | 18 | 21°850 | 12°694 |
| 44635 | 10 | 24°558 | 6°652 | 44707 | 11 | 22°022 | 15°470 | 44779 | 8 | 20°480 | 23°736 | 44829 | 10 | 17°042 | 4°862 | 44901 | 7 | 22°113 | 12°100 |
| 44636 | 24 | 1°356 | 7°180 | 44708* | 40 | 23°333 | 15°628 | 44780 | 21 | 15°236 | 23°908 | 44830 | 21 | 17°513 | 5°448 | 44902 | 8 | 22°350 | 12°065 |
| 44637 | 20 | 17°652 | 7°912 | 44709 | 14 | 23°438 | 15°080 | 44781 | 8 | 20°480 | 23°736 | 44831 | 10 | 0°837 | 5°348 | 44903 | 20 | 23°344 | 12°148 |
| 44638 | 12 | 23°972 | 7°368 | 44710 | 9 | 24°113 | 15°169 | 44782 | 37 | 6°661 | 24°152 | 44832 | 24 | 2°398 | 5°992 | 44904 | 20 | 24°100 | 12°148 |
| 44639* | 41 | 24°218 | 7°870 | 44711* | 38 | 24°978 | 15°168 | 44783 | 9 | 9°100 | 24°202 | 44833 | 10 | 7°135 | 5°042 | 44905 | 29 | 0°820 | 13°026 |
| 44640 | 41 | 24°436 | 7°238 | 44712 | 10 | 2°965 | 16°598 | 44784 | 29 | 11°914 | 24°834 | 44834 | 12 | 8°712 | 5°450 | 44906 | 12 | 1°530 | 13°984 |
| 44641* | 40 | 3°840 | 8°305 | 44713 | 16 | 9°648 | 16°737 | 44785 | 19 | 14°672 | 24°474 | 44835 | 12 | 14°854 | 5°753 | 44907 | 14 | 2°900 | 13°040 |
| 44642 | 9 | 16°934 | 8°630 | 44714 | 21 | 12°343 | 16°012 | 44786* | 41 | 21°095 | 24°688 | 44836 | 16 | 20°225 | 5°895 | 44908 | 17 | 5°258 | 13°781 |
| 44643 | 11 | 20°014 | 8°882 | 44715 | 11 | 14°168 | 16°760 | 44787 | 9 | 21°967 | 24°832 | 44837 | 15 | 25°216 | 5°016 | 44909 | 18 | 13°529 | 13°804 |
| 44644 | 22 | 22°550 | 8°310 | 44716 | 10 | 14°800 | 16°863 | 44788 | 8 | 0°251 | 25°092 | 44838 | 10 | 1°922 | 6°018 | 44910* | 42 | 13°534 | 13°519 |
| 44645 | 22 | 23°058 | 8°892 | 44717 | 30 | 15°925 | 16°506 | 44789 | 11 | 3°096 | 25°604 | 44839 | 11 | 5°630 | 6°025 | 44911 | 9 | 22°659 | 13°334 |
| 44646 | 18 | 23°388 | 8°088 | 44718 | 28 | 22°052 | 16°571 | 44790 | 30 | 5°270 | 25°191 | 44840 | 11 | 7°842 | 6°444 | 44912 | 13 | 23°610 | 13°846 |
| 44647* | 46 | 11°718 | 9°938 | 44719 | 29 | 22°198 | 16°814 | 44791 | 11 | 9°791 | 25°543 | 44841 | 14 | 9°024 | 6°416 | 44913 | 33 | 24°129 | 13°332 |
| 44648 | 14 | 14°627 | 9°464 | 44720 | 9 | 24°779 | 16°821 | 44792 | 16 | 10°816 | 25°488 | 44842 | 13 | 11°148 | 6°226 | 44914 | 23 | 24°300 | 13°672 |
| 44649 | 11 | 18°050 | 9°092 | 44721 | 11 | 0°788 | 17°056 | 44793 | 16 | 10°913 | 25°720 | 44843 | 12 | 14°440 | 6°266 | 44915 | 11 | 25°947 | 13°151 |
| 44650 | 23 | 18°544 | 9°874 | 44722 | 11 | 8°073 | 17°849 | 44794 | 9 | 12°950 | 25°850 | 44844 | 12 | 15°703 | 6°528 | 44916* | 49 | 1°616 | 14°540 |
| 44651 | 30 | 22°894 | 9°704 | 44723 | 21 | 8°254 | 17°511 | 44795 | 18 | 14°308 | 25°148 | 44845 | 15 | 16°075 | 6°270 | 44917 | 13 | 2°962 | 14°301 |
| 44652* | 48 | 24°012 | 9°769 | 44724* | 36 | 10°358 | 17°876 | 44796 | 17 | 18°592 | 25°277 | 44846 | 12 | 18°698 | 6°780 | 44918 | 11 | 3°090 | 14°142 |
| 44653 | 9 | 25°551 | 9°656 | 44725* | 39 | 10°383 | 17°870 | 44797 | 14 | 18°660 | 25°172 | 44847 | 32 | 18°033 | 6°824 | 44919 | 13 | 3°499 | 14°423 |
| 44654 | 13 | 10°620 | 10°580 | 44726 | 24 | 17°228 | 17°850 | 44798 | 10 | 24°171 | 25°032 | 44848 | 14 | 1°623 | 7°374 | 44920 | 22 | 6°585 | 14°989 |
| 44655 | 14 | 19°104 | 10°950 | 44727 | 14 | 19°058 | 17°500 | | | | | 44849* | 36 | 1°876 | 7°872 | 44921 | 14 | 12°758 | 14°566 |
| 44656 | 12 | 20°798 | 10°407 | 44728 | 17 | 19°220 | 17°398 | | | | | 44850 | 37 | 2°084 | 7°239 | 44922 | 18 | 20°406 | 14°598 |
| 44657 | 10 | 21°308 | 10°150 | 44729 | 20 | 21°723 | 17°103 | | | | | 44851 | 14 | 10°386 | 7°736 | 44923 | 13 | 24°187 | 14°046 |
| 44658 | 9 | 22°123 | 10°154 | 44730 | 22 | 14°854 | 18°336 | | | | | 44852 | 11 | 10°900 | 7°402 | 44924 | 10 | 24°780 | 14°938 |
| 44659 | 10 | 22°610 | 10°964 | 44731 | 14 | 18°662 | 18°702 | | | | | 44853 | 16 | 16°248 | 7°356 | 44925 | 20 | 24°828 | 14°182 |
| 44660 | 27 | 23°844 | 10°644 | 44732 | 16 | 21°117 | 18°068 | | | | | 44854* | 42 | 18°995 | 7°200 | 44926 | 8 | 25°304 | 14°878 |
| 44661 | 9 | 24°106 | 10°516 | 44733 | 29 | 21°128 | 18°402 | | | | | 44855 | 19 | 19°676 | 7°630 | 44927 | 10 | 0°696 | 15°488 |
| 44662 | 10 | 14°150 | 11°560 | 44734 | 20 | 22°140 | 18°754 | | | | | 44856 | 15 | 20°233 | 7°762 | 44928* | 37 | 1°108 | 15°640 |
| 44663* | 34 | 15°315 | 11°408 | 44735 | 10 | 25°108 | 18°812 | | | | | 44857 | 10 | 25°080 | 7°086 | 44929 | 10 | 1°206 | 15°092 |
| 44664 | 14 | 17°349 | 11°635 | 44736 | 23 | 2°034 | 19°660 | | | | | 44858 | 13 | 0°216 | 8°335 | 44930* | 29 | 2°744 | 15°158 |
| 44665 | 15 | 21°344 | 11°058 | 44737 | 20 | 6°961 | 19°960 | | | | | 44859 | 17 | 0°732 | 8°912 | 44931 | 12 | 5°470 | 15°044 |
| 44666 | 11 | 25°692 | 11°593 | 44738 | 10 | 0°774 | 19°565 | | | | | 44860 | 16 | 1°051 | 8°102 | 44932 | 13 | 5°715 | 15°873 |
| 44667* | 53 | 0°645 | 12°394 | 44739 | 9 | 9°730 | 19°188 | | | | | 44861 | 28 | 4°758 | 8°190 | 44933* | 40 | 14°634 | 15°582 |
| 44668 | 8 | 6°556 | 12°006 | 44740 | 28 | 16°386 | 19°800 | | | | | 44862 | 10 | 7°052 | 8°640 | 44934* | 27 | 16°418 | 15°871 |
| 44669 | 10 | 7°823 | 12°714 | 44741 | 17 | 17°552 | 19°984 | | | | | 44863 | 14 | 8°732 | 8°166 | 44935 | 15 | 17°462 | 15°660 |
| 44670 | 12 | 16°075 | 12°728 | 44742 | 14 | 19°008 | 19°926 | | | | | 44864 | 15 | 12°178 | 8°870 | 44936 | 15 | 24°500 | 15°424 |
| 44671* | 47 | 16°305 | 12°998 | 44743* | 32 | 20°164 | 19°096 | | | | | 44865 | 11 | 12°730 | 8°097 | 44937 | 14 | 25°860 | 15°395 |
| 44672* | 31 | 19°196 | 12°732 | 44744 | 21 | 20°190 | 19°924 | | | | | 44866 | 14 | 15°815 | 8°084 | 44938 | 10 | 4°896 | 16°048 |
| 44673 | 12 | 19°713 | 12°477 | 44745 | 9 | 22°653 | 19°704 | | | | | 44867* | 40 | 16°812 | 8°174 | 44939* | 42 | 5°483 | 16°020 |
| 44674 | 17 | 24°376 | 12°612 | 44746 | 8 | 8°280 | 20°347 | | | | | 44868 | 19 | 22°307 | 8°106 | 44940* | 49 | 5°726 | 16°955 |
| 44675 | 9 | 1°944 | 13°982 | 44747 | 9 | 3°360 | 20°163 | | | | | 44869 | 12 | 22°820 | 8°692 | 44941 | 12 | 7°680 | 16°320 |
| 44676 | 8 | 5°334 | 13°847 | 44748 | 9 | 3°518 | 20°403 | | | | | 44870 | 23 | 0°580 | 9°726 | 44942 | 14 | 8°384 | 16°760 |
| 44677 | 10 | 6°577 | 13°212 | 44749 | 14 | 12°349 | 20°948 | | | | | 44871* | 51 | 1°696 | 9°774 | 44943 | 15 | 14°148 | 16°158 |
| 44678* | 42 | 11°015 | 13°800 | 44750 | 12 | 13°604 | 20°570 | | | | | 44872* | 66 | 4°898 | 9°504 | 44944 | 14 | 14°275 | 16°456 |
| 44679 | 15 | 16°792 | 13°642 | 44751* | 54 | 15°596 | 20°608 | | | | | 44873 | 13 | 9°080 | 9°435 | 44945 | 11 | 16°253 | 16°208 |
| 44680 | 30 | 23°083 | 13°008 | 44752 | 12 | 15°741 | 20°850 | | | | | 44874 | 25 | 18°586 | 9°892 | 44946 | 27 | 16°434 | 16°574 |
| 44681 | 12 | 23°780 | 13°978 | 44753 | 8 | 17°549 | 20°790 | | | | | 44875 | 17 | 22°336 | 9°614 | 44947 | 12 | 18°157 | 16°745 |
| 44682 | 15 | | | | | | | | | | | | | | | | | | |

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|-------|----|--------|--------|--|--|--|--|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
| 44955 | 23 | 10-746 | 17-650 | | | | | 45106 | 11 | 11-870 | 5-344 | 45178 | 12 | 23-370 | 10-792 | 45250 | 11 | 6-975 | 16-640 |
| 44956 | 12 | 14-958 | 17-010 | | | | | 45107 | 15 | 13-759 | 5-637 | 45179 | 28 | 24-249 | 10-056 | 45251 | 10 | 7-078 | 16-572 |
| 44957 | 24 | 15-377 | 17-980 | | | | | 45108 | 9 | 15-848 | 5-917 | 45180 | 33 | 24-952 | 10-330 | 45252 | 10 | 7-750 | 16-653 |
| 44958 | 18 | 19-366 | 17-627 | | | | | 45109 | 43 | 16-249 | 5-645 | 45181 | 8 | 0-625 | 11-269 | 45253 | 12 | 8-334 | 16-336 |
| 44959 | 10 | 19-487 | 17-447 | | | | | 45110 | 23 | 17-696 | 5-996 | 45182 | 14 | 2-385 | 11-494 | 45254 | 10 | 9-869 | 16-654 |
| 44960 | 11 | 19-487 | 17-839 | | | | | 45111 | 37 | 17-887 | 5-921 | 45183 | 13 | 3-722 | 11-390 | 45255 | 32 | 10-065 | 16-392 |
| 44961 | 14 | 21-732 | 17-325 | | | | | 45112 | 17 | 18-699 | 5-036 | 45184 | 9 | 3-804 | 11-249 | 45256 | 30 | 12-343 | 16-133 |
| 44962 | 23 | 23-210 | 17-622 | | | | | 45113 | 28 | 21-504 | 5-452 | 45185 | 16 | 4-825 | 11-559 | 45257 | 13 | 14-202 | 16-368 |
| 44963 | 10 | 25-930 | 17-114 | | | | | 45114 | 34 | 22-486 | 5-116 | 45186 | 12 | 4-826 | 11-505 | 45258 | 27 | 15-416 | 16-984 |
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| 44965 | 20 | 5-554 | 18-278 | | | | | 45116 | 38 | 8-478 | 6-954 | 45188 | 12 | 5-252 | 11-432 | 45260 | 40 | 16-013 | 16-944 |
| 44966 | 12 | 8-122 | 18-168 | | | | | 45117 | 12 | 9-356 | 6-217 | 45189 | 27 | 12-186 | 11-844 | 45261 | 8 | 17-174 | 16-972 |
| 44967 | 21 | 13-695 | 18-766 | | | | | 45118 | 20 | 9-644 | 6-513 | 45190 | 11 | 14-404 | 11-656 | 45262 | 9 | 21-524 | 16-254 |
| 44968 | 10 | 16-638 | 18-960 | | | | | 45119 | 13 | 11-096 | 6-992 | 45191 | 37 | 16-020 | 11-990 | 45263 | 9 | 22-000 | 16-530 |
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| 44970 | 19 | 18-456 | 18-940 | | | | | 45121 | 36 | 13-894 | 6-724 | 45193 | 14 | 21-500 | 11-138 | 45265 | 28 | 1-185 | 17-662 |
| 44971 | 11 | 18-879 | 18-378 | | | | | 45122 | 24 | 14-662 | 6-292 | 45194 | 12 | 22-853 | 11-096 | 45266 | 12 | 3-904 | 17-152 |
| 44972 | 10 | 21-154 | 18-855 | | | | | 45123 | 8 | 18-508 | 6-394 | 45195 | 23 | 23-100 | 11-360 | 45267 | 15 | 4-816 | 17-414 |
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| 44974 | 24 | 6-714 | 19-286 | | | | | 45125 | 32 | 21-504 | 6-656 | 45197 | 25 | 2-074 | 12-185 | 45269 | 16 | 7-212 | 17-864 |
| 44975 | 11 | 7-313 | 19-916 | | | | | 45126 | 24 | 22-000 | 6-506 | 45198 | 13 | 10-535 | 12-472 | 45270 | 18 | 7-427 | 17-122 |
| 44976 | 11 | 13-391 | 19-756 | | | | | 45127 | 9 | 1-080 | 7-720 | 45199 | 15 | 13-765 | 12-496 | 45271 | 16 | 10-300 | 17-938 |
| 44977 | 12 | 16-638 | 19-526 | | | | | 45128 | 28 | 4-526 | 7-140 | 45200 | 11 | 16-404 | 12-950 | 45272 | 9 | 12-144 | 17-464 |
| 44978 | 10 | 17-238 | 19-760 | | | | | 45129 | 10 | 6-215 | 7-474 | 45201 | 14 | 17-708 | 12-340 | 45273 | 18 | 19-528 | 17-734 |
| 44979 | 11 | 23-277 | 19-756 | | | | | 45130 | 24 | 8-781 | 7-644 | 45202 | 15 | 18-148 | 12-620 | 45274 | 15 | 22-300 | 17-712 |
| 44980 | 25 | 23-453 | 19-244 | | | | | 45131 | 34 | 11-262 | 7-305 | 45203 | 34 | 21-772 | 12-148 | 45275 | 30 | 22-829 | 17-905 |
| 44981 | 10 | 2-520 | 20-500 | | | | | 45132 | 20 | 16-370 | 7-872 | 45204 | 10 | 21-829 | 12-658 | 45276 | 38 | 23-098 | 17-178 |
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| 44983 | 34 | 12-606 | 20-105 | | | | | 45134 | 9 | 20-180 | 7-983 | 45206 | 14 | 1-584 | 13-885 | 45278 | 13 | 6-754 | 18-631 |
| 44984 | 22 | 22-556 | 20-136 | | | | | 45135 | 13 | 20-936 | 7-263 | 45207 | 36 | 2-104 | 13-370 | 45279 | 28 | 8-914 | 18-814 |
| 44985 | 14 | 24-454 | 20-174 | | | | | 45136 | 10 | 21-378 | 7-285 | 45208 | 31 | 2-276 | 13-710 | 45280 | 10 | 14-632 | 18-319 |
| 44986 | 18 | 4-775 | 21-716 | | | | | 45137 | 40 | 23-170 | 7-390 | 45209 | 9 | 3-920 | 13-190 | 45281 | 13 | 16-125 | 18-422 |
| 44987 | 24 | 11-438 | 21-214 | | | | | 45138 | 15 | 24-490 | 7-138 | 45210 | 14 | 7-324 | 13-500 | 45282 | 29 | 16-224 | 18-204 |
| 44988 | 10 | 11-768 | 21-610 | | | | | 45139 | 19 | 0-280 | 8-140 | 45211 | 11 | 7-602 | 13-500 | 45283 | 10 | 16-396 | 18-566 |
| 44989 | 11 | 16-702 | 21-601 | | | | | 45140 | 10 | 0-795 | 8-732 | 45212 | 31 | 7-728 | 13-728 | 45284 | 25 | 18-260 | 18-388 |
| 44990 | 10 | 16-708 | 21-267 | | | | | 45141 | 12 | 3-054 | 8-025 | 45213 | 14 | 9-170 | 13-191 | 45285 | 15 | 20-150 | 18-300 |
| 44991 | 11 | 18-073 | 21-834 | | | | | 45142 | 17 | 4-550 | 8-207 | 45214 | 24 | 10-200 | 13-194 | 45286 | 17 | 21-066 | 18-114 |
| 44992 | 14 | 18-944 | 21-255 | | | | | 45143 | 36 | 5-714 | 8-328 | 45215 | 9 | 9-025 | 13-139 | 45287 | 11 | 21-802 | 18-880 |
| 44993 | 18 | 20-862 | 21-039 | | | | | 45144 | 15 | 5-782 | 8-426 | 45216 | 8 | 14-855 | 13-736 | 45288 | 8 | 22-347 | 18-766 |
| 44994 | 17 | 9-370 | 22-665 | | | | | 45145 | 10 | 6-599 | 8-176 | 45217 | 36 | 16-818 | 13-874 | 45289 | 25 | 23-380 | 18-746 |
| 44995 | 14 | 13-189 | 22-693 | | | | | 45146 | 22 | 11-686 | 8-374 | 45218 | 41 | 17-791 | 13-478 | 45290 | 9 | 1-252 | 19-796 |
| 44996 | 10 | 14-038 | 22-931 | | | | | 45147 | 9 | 18-406 | 8-881 | 45219 | 20 | 18-006 | 13-472 | 45291 | 28 | 1-426 | 19-282 |
| 44997 | 29 | 16-723 | 22-436 | | | | | 45148 | 17 | 18-532 | 8-135 | 45220 | 10 | 19-982 | 13-672 | 45292 | 19 | 4-360 | 19-369 |
| 44998 | 13 | 18-194 | 22-808 | | | | | 45149 | 14 | 19-274 | 8-538 | 45221 | 28 | 21-588 | 13-860 | 45293 | 15 | 6-605 | 19-292 |
| 44999 | 11 | 21-290 | 22-844 | | | | | 45150 | 12 | 19-315 | 8-564 | 45222 | 12 | 22-162 | 13-975 | 45294 | 33 | 8-477 | 19-570 |
| 45000 | 32 | 6-490 | 23-753 | | | | | 45151 | 11 | 24-330 | 8-784 | 45223 | 10 | 22-640 | 13-930 | 45295 | 11 | 8-828 | 19-130 |
| 45001 | 10 | 10-726 | 23-975 | | | | | 45152 | 19 | 0-309 | 9-652 | 45224 | 15 | 2-162 | 14-085 | 45296 | 15 | 10-853 | 19-484 |
| 45002 | 10 | 14-127 | 23-346 | | | | | 45153 | 64 | 1-552 | 9-576 | 45225 | 11 | 2-756 | 14-078 | 45297 | 35 | 14-386 | 19-454 |
| 45003 | 9 | 20-322 | 23-845 | | | | | 45154 | 12 | 3-434 | 9-530 | 45226 | 20 | 2-802 | 14-218 | 45298 | 17 | 14-515 | 19-267 |
| 45004 | 13 | 4-931 | 24-536 | | | | | 45155 | 10 | 4-441 | 9-108 | 45227 | 9 | 14-946 | 14-551 | 45299 | 11 | 16-402 | 19-288 |
| 45005 | 14 | 13-362 | 24-586 | | | | | 45156 | 24 | 8-163 | 9-701 | 45228 | 8 | 15-195 | 14-546 | 45300 | 11 | 18-122 | 19-490 |
| 45006 | 26 | 15-038 | 24-125 | | | | | 45157 | 13 | 18-871 | 9-226 | 45229 | 11 | 15-484 | 14-202 | 45301 | 18 | 19-305 | 19-325 |
| 45007 | 17 | 16-820 | 24-024 | | | | | 45158 | 33 | 19-033 | 9-351 | 45230 | 34 | 16-909 | 14-136 | 45302 | 14 | 19-927 | 19-216 |
| 45008 | 10 | 18-663 | 24-446 | | | | | 45159 | 11 | 19-114 | 9-619 | 45231 | 48 | 16-964 | 14-428 | 45303 | 10 | 20-260 | 19-558 |
| 45009 | 20 | 21-942 | 24-700 | | | | | 45160 | 15 | 19-356 | 9-050 | 45232 | 14 | 17-500 | 14-209 | 45304 | 40 | 20-870 | 19-040 |
| 45010 | 12 | 2-089 | 25-035 | | | | | 45161 | 19 | 20-886 | 9-534 | 45233 | 8 | 18-785 | 14-182 | 45305 | 45 | 21-576 | 19-100 |
| 45011 | 13 | 16-807 | 25-048 | | | | | 45162 | 8 | 21-903 | 9-270 | 45234 | 11 | 19-226 | 14-179 | 45306 | 9 | 23-964 | 19-672 |
| | | | | | | | | 45163 | 33 | 25-216 | 9-056 | 45235 | 14 | 20-954 | 14-110 | 45307 | 30 | 0-527 | 20-176 |
| | | | | | | | | 45164 | 13 | 0-065 | 10-860 | 45236 | 8 | 21-740 | 14-818 | 45308 | 10 | 2-163 | 20-158 |
| | | | | | | | | 45165 | 37 | 0-325 | 10-164 | 45237 | 12 | 2-476 | 15-462 | 45309 | 18 | 2-426 | 20-210 |
| | | | | | | | | 45166 | 8 | 2-428 | 10-390 | 45238 | 15 | 5-832 | 15-434 | 45310 | 9 | 3-055 | 20-311 |
| | | | | | | | | 45167 | 29 | 3-428 | 10-888 | 45239 | 18 | 10-214 | 15-160 | 45311 | 27 | 5-271 | 20-083 |
| | | | | | | | | 45168 | 8 | 5-652 | 10-256 | 45240 | 9 | 11-824 | 15-618 | 45312 | 12 | 7-834 | 20-692 |
| | | | | | | | | 45169 | 38 | 6-470 | 10-107 | 45241 | 34 | 11-847 | 15-356 | 45313 | 22 | 10-806 | 20-082 |
| | | | | | | | | 45170 | 12 | 7-026 | 10-282 | 45242 | 23 | 18-792 | 15-207 | 45314 | 12 | 12-634 | 20-768 |
| | | | | | | | | 45171 | 10 | 7-294 | 10-409 | 45243 | 37 | 19-622 | 15-852 | 45315 | 19 | 12-769 | 20-031 |
| | | | | | | | | 45172 | 30 | 7-304 | 1 | | | | | | | | |

| R.A. 17 ^h 8 ^m | | | | Plate 1059; 1917 May 21. | | | | Provisional Constants. | | | |
|-------------------------------------|----|---------------------|---------------------|--------------------------|----|---------------------|--------------------|-------------------------------|----|---------------------|---------------------|
| A B C | | | | D E F | | | | Mag. = 15.6 - 1.09 \sqrt{d} | | | |
| No. d s g | | | | No. d s g | | | | No. d s g | | | |
| 45322 | 15 | 19 ^h 166 | 20 ^m 430 | 45456 | 11 | 23 ^h 028 | 3 ^m 139 | 45528 | 20 | 21 ^h 228 | 8 ^m 969 |
| 45323 | 20 | 19 ^h 198 | 20 ^m 314 | 45457 | 14 | 1 ^m 271 | 4 ^m 634 | 45529 | 8 | 23 ^h 405 | 8 ^m 234 |
| 45324 | 10 | 20 ^h 530 | 20 ^m 799 | 45458 | 25 | 1 ^m 560 | 4 ^m 130 | 45530 | 18 | 2 ^m 111 | 9 ^m 985 |
| 45325 | 13 | 21 ^h 166 | 20 ^m 281 | 45459 | 8 | 2 ^m 145 | 4 ^m 366 | 45531 | 30 | 5 ^m 434 | 9 ^m 638 |
| 45326 | 14 | 21 ^h 055 | 20 ^m 202 | 45460 | 10 | 4 ^m 466 | 4 ^m 346 | 45532 | 10 | 6 ^m 560 | 9 ^m 815 |
| 45327 | 8 | 3 ^m 000 | 21 ^m 267 | 45461 | 8 | 9 ^m 942 | 4 ^m 441 | 45533 | 10 | 12 ^m 344 | 9 ^m 069 |
| 45328 | 12 | 6 ^m 861 | 21 ^m 874 | 45462 | 22 | 7 ^m 388 | 4 ^m 888 | 45534 | 19 | 15 ^m 556 | 9 ^m 668 |
| 45329 | 30 | 7 ^m 236 | 21 ^m 782 | 45463 | 12 | 9 ^m 030 | 4 ^m 844 | 45535 | 23 | 19 ^m 537 | 9 ^m 524 |
| 45330 | 13 | 13 ^m 862 | 21 ^m 175 | 45464 | 9 | 9 ^m 540 | 4 ^m 966 | 45536 | 13 | 19 ^m 900 | 9 ^m 200 |
| 45331 | 15 | 15 ^m 067 | 21 ^m 109 | 45465 | 14 | 9 ^m 642 | 4 ^m 016 | 45537 | 8 | 20 ^m 566 | 9 ^m 615 |
| 45332 | 23 | 20 ^m 626 | 21 ^m 436 | 45466 | 11 | 14 ^m 444 | 4 ^m 770 | 45538 | 8 | 21 ^m 376 | 9 ^m 856 |
| 45333 | 9 | 20 ^m 726 | 21 ^m 224 | 45467 | 11 | 15 ^m 990 | 4 ^m 546 | 45539 | 9 | 1 ^m 242 | 10 ^m 736 |
| 45334 | 2 | 22 ^m 333 | 21 ^m 212 | 45468 | 33 | 17 ^m 170 | 4 ^m 481 | 45540 | 29 | 2 ^m 818 | 10 ^m 248 |
| 45335 | 35 | 22 ^m 890 | 21 ^m 205 | 45469 | 16 | 21 ^m 782 | 4 ^m 436 | 45541 | 23 | 8 ^m 310 | 10 ^m 032 |
| 45336 | 34 | 24 ^m 494 | 21 ^m 066 | 45470 | 14 | 23 ^m 542 | 4 ^m 176 | 45542 | 16 | 11 ^m 469 | 10 ^m 442 |
| 45337 | 16 | 7 ^m 423 | 22 ^m 574 | 45471 | 23 | 0 ^m 264 | 5 ^m 076 | 45543 | 48 | 12 ^m 138 | 10 ^m 880 |
| 45338 | 14 | 10 ^m 738 | 22 ^m 800 | 45472 | 17 | 1 ^m 595 | 5 ^m 614 | 45544 | 10 | 13 ^m 335 | 10 ^m 037 |
| 45339 | 14 | 13 ^m 320 | 22 ^m 800 | 45473 | 11 | 2 ^m 631 | 5 ^m 918 | 45545 | 10 | 15 ^m 110 | 10 ^m 248 |
| 45340 | 8 | 14 ^m 444 | 22 ^m 510 | 45474 | 14 | 6 ^m 676 | 5 ^m 081 | 45546 | 9 | 19 ^m 591 | 10 ^m 362 |
| 45341 | 43 | 15 ^m 101 | 22 ^m 118 | 45475 | 8 | 6 ^m 874 | 5 ^m 836 | 45547 | 17 | 20 ^m 620 | 10 ^m 264 |
| 45342 | 20 | 15 ^m 174 | 22 ^m 621 | 45476 | 32 | 8 ^m 726 | 5 ^m 826 | 45548 | 13 | 0 ^m 747 | 11 ^m 048 |
| 45343 | 9 | 15 ^m 601 | 22 ^m 078 | 45477 | 34 | 9 ^m 364 | 5 ^m 929 | 45549 | 12 | 0 ^m 986 | 11 ^m 308 |
| 45344 | 12 | 18 ^m 775 | 22 ^m 779 | 45478 | 31 | 11 ^m 990 | 5 ^m 718 | 45550 | 8 | 2 ^m 604 | 11 ^m 413 |
| 45345 | 26 | 19 ^m 253 | 22 ^m 616 | 45479 | 8 | 12 ^m 310 | 5 ^m 803 | 45551 | 12 | 7 ^m 952 | 11 ^m 016 |
| 45346 | 20 | 19 ^m 250 | 22 ^m 616 | 45480 | 8 | 17 ^m 222 | 5 ^m 161 | 45552 | 12 | 11 ^m 302 | 11 ^m 784 |
| 45347 | 12 | 19 ^m 273 | 22 ^m 666 | 45481 | 11 | 18 ^m 135 | 5 ^m 176 | 45553 | 11 | 12 ^m 942 | 11 ^m 242 |
| 45348 | 21 | 21 ^m 246 | 22 ^m 338 | 45482 | 12 | 18 ^m 628 | 5 ^m 395 | 45554 | 19 | 14 ^m 182 | 11 ^m 295 |
| 45349 | 24 | 23 ^m 401 | 22 ^m 096 | 45483 | 21 | 19 ^m 614 | 5 ^m 284 | 45555 | 9 | 14 ^m 426 | 11 ^m 598 |
| 45350 | 8 | 23 ^m 504 | 22 ^m 358 | 45484 | 28 | 20 ^m 082 | 5 ^m 520 | 45556 | 22 | 16 ^m 344 | 11 ^m 924 |
| 45351 | 8 | 23 ^m 862 | 22 ^m 726 | 45485 | 11 | 20 ^m 464 | 5 ^m 814 | 45557 | 35 | 19 ^m 105 | 11 ^m 636 |
| 45352 | 43 | 5 ^m 862 | 23 ^m 651 | 45486 | 26 | 5 ^m 784 | 6 ^m 340 | 45558 | 16 | 23 ^m 751 | 11 ^m 502 |
| 45353 | 32 | 7 ^m 378 | 23 ^m 778 | 45487 | 13 | 10 ^m 791 | 6 ^m 128 | 45559 | 12 | 24 ^m 970 | 11 ^m 483 |
| 45354 | 13 | 9 ^m 274 | 23 ^m 178 | 45488 | 8 | 11 ^m 898 | 6 ^m 760 | 45560 | 20 | 4 ^m 477 | 12 ^m 000 |
| 45355 | 14 | 13 ^m 638 | 23 ^m 422 | 45489 | 9 | 13 ^m 244 | 6 ^m 248 | 45561 | 14 | 14 ^m 930 | 12 ^m 094 |
| 45356 | 13 | 16 ^m 382 | 23 ^m 860 | 45490 | 22 | 13 ^m 036 | 6 ^m 213 | 45562 | 15 | 15 ^m 294 | 12 ^m 624 |
| 45357 | 10 | 20 ^m 359 | 23 ^m 260 | 45491 | 26 | 14 ^m 292 | 6 ^m 032 | 45563 | 10 | 22 ^m 154 | 12 ^m 320 |
| 45358 | 23 | 23 ^m 172 | 23 ^m 172 | 45492 | 8 | 14 ^m 536 | 6 ^m 266 | 45564 | 27 | 22 ^m 444 | 12 ^m 590 |
| 45359 | 33 | 23 ^m 787 | 23 ^m 122 | 45493 | 11 | 15 ^m 036 | 6 ^m 879 | 45565 | 8 | 23 ^m 258 | 12 ^m 833 |
| 45360 | 8 | 24 ^m 054 | 23 ^m 481 | 45494 | 9 | 16 ^m 840 | 6 ^m 957 | 45566 | 12 | 23 ^m 414 | 12 ^m 894 |
| 45361 | 39 | 24 ^m 954 | 23 ^m 481 | 45495 | 24 | 20 ^m 246 | 6 ^m 024 | 45567 | 10 | 0 ^m 086 | 13 ^m 936 |
| 45362 | 9 | 25 ^m 284 | 23 ^m 344 | 45496 | 20 | 20 ^m 526 | 6 ^m 130 | 45568 | 12 | 0 ^m 566 | 13 ^m 885 |
| 45363 | 38 | 5 ^m 104 | 24 ^m 294 | 45497 | 20 | 20 ^m 020 | 6 ^m 048 | 45569 | 8 | 6 ^m 602 | 13 ^m 804 |
| 45364 | 9 | 6 ^m 281 | 24 ^m 696 | 45498 | 10 | 22 ^m 650 | 6 ^m 633 | 45570 | 16 | 7 ^m 462 | 13 ^m 834 |
| 45365 | 11 | 9 ^m 752 | 24 ^m 393 | 45499 | 10 | 22 ^m 650 | 6 ^m 633 | 45571 | 8 | 7 ^m 672 | 13 ^m 672 |
| 45366 | 12 | 10 ^m 392 | 24 ^m 432 | 45500 | 18 | 24 ^m 386 | 7 ^m 338 | 45572 | 16 | 7 ^m 983 | 13 ^m 564 |
| 45367 | 11 | 10 ^m 487 | 24 ^m 357 | 45501 | 34 | 0 ^m 985 | 7 ^m 066 | 45573 | 14 | 9 ^m 336 | 13 ^m 188 |
| 45368 | 43 | 10 ^m 827 | 24 ^m 038 | 45502 | 14 | 2 ^m 302 | 7 ^m 112 | 45574 | 13 | 9 ^m 336 | 13 ^m 188 |
| 45369 | 10 | 12 ^m 252 | 24 ^m 242 | 45503 | 8 | 11 ^m 206 | 7 ^m 250 | 45575 | 10 | 10 ^m 312 | 13 ^m 034 |
| 45370 | 10 | 12 ^m 756 | 24 ^m 242 | 45504 | 8 | 11 ^m 206 | 7 ^m 250 | 45576 | 35 | 10 ^m 317 | 13 ^m 194 |
| 45371 | 8 | 14 ^m 450 | 24 ^m 918 | 45505 | 8 | 11 ^m 226 | 7 ^m 844 | 45577 | 15 | 10 ^m 696 | 13 ^m 994 |
| 45372 | 12 | 15 ^m 014 | 24 ^m 038 | 45506 | 10 | 11 ^m 997 | 7 ^m 863 | 45578 | 20 | 16 ^m 778 | 13 ^m 905 |
| 45373 | 9 | 16 ^m 290 | 24 ^m 178 | 45507 | 15 | 12 ^m 741 | 7 ^m 467 | 45579 | 20 | 16 ^m 816 | 13 ^m 748 |
| 45374 | 19 | 18 ^m 693 | 24 ^m 098 | 45508 | 9 | 13 ^m 086 | 7 ^m 936 | 45580 | 10 | 17 ^m 321 | 13 ^m 040 |
| 45375 | 10 | 20 ^m 175 | 24 ^m 652 | 45509 | 9 | 14 ^m 204 | 7 ^m 146 | 45581 | 12 | 17 ^m 524 | 13 ^m 377 |
| 45376 | 10 | 21 ^m 065 | 24 ^m 016 | 45510 | 9 | 17 ^m 127 | 7 ^m 680 | 45582 | 10 | 18 ^m 173 | 13 ^m 703 |
| 45377 | 8 | 5 ^m 053 | 25 ^m 392 | 45511 | 17 | 18 ^m 036 | 7 ^m 422 | 45583 | 14 | 22 ^m 056 | 13 ^m 554 |
| 45378 | 11 | 6 ^m 179 | 25 ^m 681 | 45512 | 22 | 18 ^m 936 | 7 ^m 282 | 45584 | 25 | 22 ^m 654 | 13 ^m 026 |
| 45379 | 8 | 6 ^m 248 | 25 ^m 986 | 45513 | 16 | 19 ^m 426 | 7 ^m 159 | 45585 | 18 | 25 ^m 268 | 13 ^m 846 |
| 45380 | 10 | 6 ^m 304 | 25 ^m 986 | 45514 | 8 | 19 ^m 426 | 7 ^m 159 | 45586 | 9 | 4 ^m 206 | 14 ^m 716 |
| 45381 | 11 | 10 ^m 426 | 25 ^m 181 | 45515 | 8 | 21 ^m 478 | 7 ^m 046 | 45587 | 8 | 5 ^m 828 | 14 ^m 744 |
| 45382 | 26 | 10 ^m 791 | 25 ^m 566 | 45516 | 9 | 21 ^m 478 | 7 ^m 046 | 45588 | 8 | 6 ^m 316 | 14 ^m 372 |
| 45383 | 12 | 12 ^m 072 | 25 ^m 204 | 45517 | 8 | 0 ^m 426 | 8 ^m 888 | 45589 | 11 | 12 ^m 556 | 14 ^m 095 |
| 45384 | 18 | 12 ^m 166 | 25 ^m 384 | 45518 | 20 | 3 ^m 060 | 8 ^m 970 | 45590 | 33 | 13 ^m 364 | 14 ^m 258 |
| 45385 | 29 | 13 ^m 236 | 25 ^m 768 | 45519 | 34 | 3 ^m 856 | 8 ^m 248 | 45591 | 22 | 14 ^m 784 | 14 ^m 776 |
| 45386 | 14 | 14 ^m 776 | 25 ^m 574 | 45520 | 10 | 6 ^m 481 | 8 ^m 098 | 45592 | 19 | 19 ^m 074 | 14 ^m 168 |
| 45387 | 10 | 15 ^m 842 | 25 ^m 646 | 45521 | 16 | 8 ^m 907 | 8 ^m 188 | 45593 | 8 | 21 ^m 453 | 14 ^m 680 |
| 45388 | 16 | 15 ^m 856 | 25 ^m 626 | 45522 | 9 | 10 ^m 344 | 8 ^m 132 | 45594 | 18 | 23 ^m 554 | 14 ^m 222 |
| 45389 | 29 | 16 ^m 090 | 25 ^m 528 | 45523 | 25 | 11 ^m 344 | 8 ^m 124 | 45595 | 8 | 24 ^m 476 | 14 ^m 587 |
| 45390 | 56 | 19 ^m 810 | 25 ^m 357 | 45524 | 16 | 17 ^m 608 | 8 ^m 590 | 45596 | 9 | 1 ^m 636 | 15 ^m 582 |
| 45391 | 14 | 20 ^m 987 | 25 ^m 375 | 45525 | 10 | 18 ^m 274 | 8 ^m 228 | 45597 | 8 | 3 ^m 946 | 15 ^m 384 |
| | | | | 45526 | 8 | 18 ^m 834 | 8 ^m 336 | 45598 | 8 | 4 ^m 993 | 15 ^m 314 |
| | | | | 45527 | 8 | | | 45599 | 8 | | |

| | | | | | | | | | | | | | | | | |
|--------|----|--------|--------|---|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 45672 | 10 | 22°08' | 21°25' | <div>R.A. 17^h 16^m</div> <div>Plate 1057; 1917 May 20.</div> <div>Provisional Constants.</div> <div>A B C</div> <div>-02570 +00327 -1963</div> <div>D E F</div> <div>-00337 -02573 -0014</div> <div>Mag.=16.3-1.09√d</div> | 45806 | 24 | 22°17' | 3°10' | 45878 | 23 | 20°68' | 10°92' | 45950 | 17 | 1°392 | 18°616 |
| 45673 | 9 | 22°89' | 21°28' | | 45807 | 22 | 1°202 | 4°354 | 45879 | 21 | 1°490 | 11°674 | 45951 | 23 | 9°400 | 18°778 |
| 45674 | 11 | 22°918 | 21°50' | | 45808 | 16 | 5°362 | 4°214 | 45880 | 19 | 2°716 | 11°642 | 45952 | 11 | 10°455 | 18°534 |
| 45675 | 17 | 24°916 | 21°234 | | 45809 | 22 | 10°456 | 4°877 | 45881* | 36 | 7°376 | 11°556 | 45953 | 13 | 11°294 | 18°170 |
| 45676 | 10 | 0°806 | 22°125 | | 45810 | 19 | 11°434 | 4°039 | 45882 | 15 | 7°472 | 11°165 | 45954 | 19 | 14°348 | 18°588 |
| 45677 | 20 | 1°479 | 22°934 | | 45811 | 21 | 12°595 | 4°132 | 45883 | 17 | 9°868 | 11°403 | 45955* | 59 | 14°400 | 18°654 |
| 45678 | 10 | 1°573 | 22°296 | | 45812 | 20 | 13°456 | 4°314 | 45884 | 16 | 10°246 | 11°642 | 45956 | 16 | 15°594 | 18°208 |
| 45679 | 9 | 1°715 | 22°842 | | 45813 | 20 | 15°901 | 4°866 | 45885 | 12 | 16°222 | 11°318 | 45957 | 11 | 16°868 | 18°874 |
| 45680 | 23 | 4°470 | 22°92 | | 45814 | 30 | 16°797 | 4°802 | 45886 | 15 | 18°020 | 11°490 | 45958 | 19 | 1°360 | 19°204 |
| 45681 | 14 | 8°568 | 22°135 | | 45815 | 17 | 20°018 | 4°128 | 45887 | 19 | 20°119 | 11°318 | 45959 | 17 | 1°373 | 19°191 |
| 45682 | 8 | 8°844 | 22°774 | 45816 | 37 | 20°252 | 4°006 | 45888* | 36 | 0°194 | 12°778 | 45960 | 12 | 3°660 | 19°583 | |
| 45683 | 10 | 22°924 | 22°986 | 45817 | 19 | 22°744 | 4°178 | 45889 | 14 | 6°642 | 12°730 | 45961 | 21 | 5°416 | 19°932 | |
| 45684 | 12 | 23°534 | 22°424 | 45818 | 10 | 2°104 | 5°312 | 45890* | 36 | 7°062 | 12°506 | 45962* | 38 | 6°910 | 19°366 | |
| 45685 | 24 | 24°124 | 22°422 | 45819 | 16 | 3°300 | 5°244 | 45891* | 49 | 14°246 | 12°684 | 45963 | 20 | 6°690 | 19°116 | |
| 45686 | 37 | 25°373 | 22°678 | 45820 | 14 | 7°836 | 5°254 | 45892 | 13 | 17°926 | 12°569 | 45964* | 62 | 7°127 | 19°672 | |
| 45687 | 14 | 0°060 | 23°981 | 45821 | 13 | 9°516 | 5°800 | 45893 | 22 | 22°190 | 12°596 | 45965 | 30 | 11°750 | 19°364 | |
| 45688 | 14 | 0°488 | 23°128 | 45822 | 23 | 10°026 | 5°007 | 45894 | 25 | 22°670 | 12°298 | 45966 | 12 | 11°955 | 19°984 | |
| 45689 | 8 | 1°524 | 23°728 | 45823 | 15 | 12°083 | 5°168 | 45895 | 26 | 0°412 | 13°212 | 45967 | 20 | 12°424 | 19°864 | |
| 45690* | 32 | 3°038 | 23°398 | 45824 | 21 | 12°457 | 5°332 | 45896 | 18 | 1°172 | 13°072 | 45968 | 11 | 17°824 | 19°926 | |
| 45691 | 12 | 7°446 | 23°085 | 45825 | 15 | 15°712 | 5°439 | 45897 | 11 | 1°399 | 13°444 | 45969 | 17 | 24°096 | 19°666 | |
| 45692 | 8 | 8°808 | 23°266 | 45826 | 13 | 16°224 | 5°348 | 45898 | 12 | 1°476 | 13°303 | 45970 | 12 | 1°580 | 20°600 | |
| 45693 | 10 | 11°322 | 23°242 | 45827 | 24 | 18°414 | 5°086 | 45899 | 21 | 5°918 | 13°656 | 45971 | 15 | 2°687 | 20°465 | |
| 45694 | 13 | 12°792 | 23°070 | 45828 | 18 | 18°869 | 5°048 | 45900 | 20 | 19°712 | 13°866 | 45972 | 19 | 2°794 | 20°172 | |
| 45695 | 8 | 12°994 | 23°708 | 45829* | 98 | 20°168 | 5°046 | 45901 | 13 | 21°364 | 13°012 | 45973 | 26 | 3°056 | 20°774 | |
| 45696 | 14 | 17°336 | 23°479 | 45830 | 20 | 21°027 | 5°921 | 45902 | 18 | 22°006 | 13°285 | 45974 | 18 | 3°300 | 20°950 | |
| 45697 | 15 | 17°394 | 23°404 | 45831 | 22 | 24°106 | 5°970 | 45903 | 18 | 22°530 | 13°528 | 45975 | 17 | 5°350 | 20°940 | |
| 45698 | 9 | 19°238 | 23°217 | 45832 | 14 | 0°336 | 6°233 | 45904 | 21 | 25°072 | 13°080 | 45976 | 14 | 6°331 | 20°226 | |
| 45699 | 14 | 19°574 | 23°086 | 45833 | 24 | 2°074 | 6°801 | 45905 | 22 | 1°322 | 14°307 | 45977 | 32 | 7°309 | 20°904 | |
| 45700 | 14 | 20°727 | 23°065 | 45834 | 11 | 4°920 | 6°394 | 45906 | 19 | 3°034 | 14°004 | 45978 | 16 | 8°867 | 20°343 | |
| 45701 | 14 | 24°010 | 23°446 | 45835 | 20 | 4°922 | 6°620 | 45907 | 39 | 4°105 | 14°371 | 45979 | 19 | 8°068 | 20°958 | |
| 45702 | 29 | 4°372 | 24°546 | 45836 | 14 | 5°034 | 6°497 | 45908 | 19 | 5°034 | 14°295 | 45980 | 18 | 9°413 | 20°865 | |
| 45703 | 10 | 4°461 | 24°302 | 45837 | 36 | 7°486 | 6°623 | 45909 | 13 | 6°638 | 14°280 | 45981 | 14 | 18°858 | 20°776 | |
| 45704 | 13 | 4°531 | 24°766 | 45838 | 18 | 8°370 | 6°403 | 45910 | 15 | 6°708 | 14°054 | 45982 | 14 | 20°181 | 20°626 | |
| 45705 | 18 | 11°604 | 24°796 | 45839 | 22 | 9°102 | 6°146 | 45911 | 13 | 20°188 | 14°214 | 45983* | 50 | 22°408 | 20°226 | |
| 45706 | 8 | 13°768 | 24°669 | 45840 | 14 | 9°577 | 6°508 | 45912 | 24 | 20°870 | 14°214 | 45984 | 22 | 2°762 | 21°394 | |
| 45707 | 9 | 18°257 | 24°450 | 45841 | 14 | 15°284 | 6°713 | 45913 | 40 | 23°336 | 14°517 | 45985 | 18 | 3°921 | 21°223 | |
| 45708 | 10 | 20°337 | 24°319 | 45842 | 12 | 16°541 | 6°165 | 45914 | 23 | 25°844 | 14°380 | 45986 | 15 | 5°200 | 21°466 | |
| 45709 | 25 | 23°086 | 24°140 | 45843 | 14 | 16°620 | 6°232 | 45915 | 20 | 3°585 | 15°184 | 45987 | 15 | 7°427 | 21°192 | |
| 45710 | 10 | 23°253 | 24°914 | 45844 | 19 | 23°584 | 6°896 | 45916 | 18 | 4°185 | 15°828 | 45988 | 22 | 8°372 | 21°546 | |
| 45711 | 23 | 23°706 | 24°988 | 45845 | 30 | 8°294 | 7°945 | 45917 | 26 | 6°236 | 15°844 | 45989 | 12 | 10°705 | 21°275 | |
| 45712 | 18 | 25°944 | 24°821 | 45846 | 14 | 8°400 | 7°520 | 45918 | 96 | 8°928 | 15°312 | 45990 | 12 | 13°939 | 21°034 | |
| 45713 | 9 | 0°130 | 25°916 | 45847* | 37 | 11°816 | 7°601 | 45919 | 12 | 10°734 | 15°548 | 45991 | 16 | 15°270 | 21°972 | |
| 45714 | 10 | 1°686 | 25°732 | 45848 | 14 | 13°910 | 7°277 | 45920 | 16 | 12°780 | 15°084 | 45992 | 23 | 22°916 | 21°630 | |
| 45715 | 14 | 6°031 | 25°478 | 45849* | 38 | 13°918 | 7°304 | 45921 | 44 | 23°358 | 15°023 | 45993 | 24 | 23°212 | 21°528 | |
| 45716 | 13 | 6°088 | 25°531 | 45850 | 17 | 16°901 | 7°266 | 45922 | 20 | 23°643 | 15°840 | 45994 | 11 | 24°774 | 21°414 | |
| 45717 | 10 | 6°326 | 25°842 | 45851 | 13 | 17°074 | 7°553 | 45923 | 11 | 25°320 | 15°702 | 45995 | 24 | 25°020 | 21°158 | |
| 45718 | 15 | 14°450 | 25°146 | 45852 | 14 | 21°612 | 7°612 | 45924 | 20 | 25°708 | 15°879 | 45996 | 15 | 1°302 | 22°599 | |
| 45719 | 8 | 14°483 | 25°446 | 45853 | 20 | 21°712 | 7°158 | 45925 | 13 | 0°924 | 16°214 | 45997 | 32 | 1°980 | 22°610 | |
| 45720 | 21 | 17°111 | 25°284 | 45854* | 32 | 21°838 | 7°924 | 45926 | 18 | 1°238 | 16°227 | 45998 | 39 | 3°234 | 22°835 | |
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| 45722 | 29 | 19°598 | 25°208 | 45856 | 11 | 23°547 | 7°688 | 45928 | 32 | 6°319 | 16°884 | 46000 | 19 | 5°815 | 22°806 | |
| 45723 | 10 | 20°814 | 25°920 | 45857 | 14 | 8°683 | 8°394 | 45929 | 15 | 7°216 | 16°590 | 46001 | 18 | 7°260 | 22°986 | |
| 45724 | 11 | 21°334 | 25°227 | 45858 | 32 | 13°736 | 8°408 | 45930 | 12 | 8°300 | 16°682 | 46002* | 56 | 7°346 | 22°913 | |
| 45725 | 10 | 21°780 | 25°998 | 45859 | 24 | 13°750 | 8°914 | 45931 | 17 | 9°080 | 16°095 | 46003 | 23 | 11°531 | 22°268 | |
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| 45727 | 13 | 23°144 | 25°234 | 45861 | 14 | 17°646 | 8°884 | 45933 | 17 | 17°842 | 16°200 | 46005 | 14 | 13°650 | 22°824 | |
| | | | | 45862 | 21 | 19°780 | 8°118 | 45934 | 17 | 18°302 | 16°385 | 46006 | 22 | 15°017 | 22°490 | |
| | | | | 45863 | 20 | 23°952 | 8°824 | 45935 | 21 | 25°598 | 16°037 | 46007 | 18 | 17°664 | 22°906 | |
| | | | | 45864* | 30 | 8°068 | 9°377 | 45936 | 19 | 2°424 | 17°276 | 46008 | 17 | 19°109 | 22°514 | |
| | | | | 45865 | 26 | 9°043 | 9°359 | 45937 | 31 | 5°414 | 17°974 | 46009 | 23 | 20°054 | 22°678 | |
| | | | | 45866 | 15 | 10°656 | 9°682 | 45938 | 22 | 5°672 | 17°390 | 46010 | 20 | 1°876 | 23°616 | |
| | | | | 45867 | 24 | 15°457 | 9°068 | 45939 | 18 | 5°697 | 17°688 | 46011 | 17 | 3°394 | 23°078 | |
| | | | | 45868* | 48 | 19°734 | 9°742 | 45940 | 14 | 10°138 | 17°444 | 46012 | 20 | 6°675 | 23°588 | |
| | | | | 45869* | 54 | 20°824 | 9°888 | 45941 | 24 | 11°894 | 17°038 | 46013 | 17 | 7°128 | 23°126 | |
| | | | | 45870 | 16 | 21°314 | 7°358 | 45942 | 18 | 12°015 | 17°140 | 46014 | 21 | 9°610 | 23°632 | |
| | | | | 45871 | 17 | 5°600 | 10°302 | 45943 | 30 | 13°132 | 17°521 | 46015 | 18 | 12°572 | 23°574 | |
| | | | | 45872* | 42 | 5°948 | 10°900 | 45944 | 26 | 13°590 | 17°991 | 46016 | 19 | 14°203 | 23°603 | |
| | | | | 45873 | 28 | 6°244 | 10°880 | 45945 | 20 | 16°170 | 17°957 | 46017 | 30 | 14°344 | 23°993 | |
| | | | | 45874 | 26 | 9°416 | 10°674 | 45946 | 20 | 20°650 | 17°961 | 46018 | 19 | 14°884 | 23°634 | |
| | | | | 45875 | 34 | 9°808 | 10°321 | 45947 | 18 | 20°987 | 17°682 | 46019 | 21 | 17°998 | 23°876 | |
| | | | | 45876 | 20 | 17°326 | 10°873 | 45948* | 40 | 24°951 | 17°649 | 46020 | 31 | 22°188 | 23°083 | |
| | | | | 45877 | 16 | 17°538 | 10°092 | 45949 | 21 | 24°956 | 17°706 | 46021 | 12 | 22°443 | 23°208 | |

| | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|----|--------|-------|-------|----|--------|--------|-------|----|--------|--------|
| 46022 | 37 | 23°46' | 23°03' | 46115 | 9 | 11°630 | 1°212 | 46187 | 11 | 15°877 | 7°606 | 46259 | 18 | 8°536 | 16°388 |
| 46023 | 38 | 23°540 | 23°202 | 46116 | 13 | 12°160 | 1°594 | 46188 | 11 | 17°532 | 7°973 | 46260 | 10 | 18°056 | 16°084 |
| 46024 | 39 | 25°082 | 24°164 | 46117 | 30 | 12°178 | 1°534 | 46189 | 28 | 20°388 | 7°606 | 46261 | 21 | 19°680 | 16°203 |
| 46025 | 23 | 0°095 | 24°318 | 46118 | 30 | 13°384 | 1°797 | 46190 | 30 | 21°257 | 7°744 | 46262 | 39 | 21°792 | 16°200 |
| 46026 | 21 | 3°830 | 24°072 | 46119 | 11 | 13°401 | 1°802 | 46191 | 12 | 21°792 | 7°310 | 46263 | 14 | 24°371 | 16°156 |
| 46027 | 25 | 4°248 | 24°206 | 46120 | 8 | 14°461 | 1°030 | 46192 | 39 | 24°932 | 7°210 | 46264 | 10 | 25°876 | 16°554 |
| 46028 | 20 | 8°812 | 24°725 | 46121 | 8 | 15°236 | 1°399 | 46193 | 14 | 1°774 | 8°934 | 46265 | 39 | 2°886 | 17°744 |
| 46029 | 36 | 13°096 | 24°033 | 46122 | 13 | 15°809 | 1°877 | 46194 | 24 | 6°843 | 8°332 | 46266 | 24 | 2°893 | 17°802 |
| 46030 | 13 | 14°736 | 24°588 | 46123 | 13 | 15°913 | 1°764 | 46195 | 25 | 9°652 | 8°621 | 46267 | 14 | 4°828 | 17°940 |
| 46031 | 18 | 15°322 | 24°334 | 46124 | 22 | 16°286 | 1°170 | 46196 | 13 | 12°265 | 8°068 | 46268 | 11 | 12°064 | 17°249 |
| 46032 | 16 | 18°592 | 24°742 | 46125 | 8 | 17°378 | 1°142 | 46197 | 10 | 12°900 | 8°636 | 46269 | 11 | 15°167 | 17°726 |
| 46033 | 13 | 18°690 | 24°006 | 46126 | 17 | 18°544 | 1°798 | 46198 | 10 | 15°046 | 8°466 | 46270 | 12 | 18°235 | 17°787 |
| 46034 | 32 | 21°088 | 24°085 | 46127 | 13 | 20°292 | 1°453 | 46199 | 31 | 16°294 | 8°952 | 46271 | 20 | 22°194 | 17°322 |
| 46035 | 40 | 21°493 | 24°495 | 46128 | 11 | 20°758 | 1°108 | 46200 | 16 | 21°437 | 8°008 | 46272 | 11 | 23°448 | 17°282 |
| 46036 | 18 | 0°900 | 25°457 | 46129 | 14 | 23°617 | 1°562 | 46201 | 13 | 22°912 | 8°364 | 46273 | 26 | 23°471 | 17°663 |
| 46037 | 20 | 1°036 | 25°414 | 46130 | 17 | 24°560 | 1°520 | 46202 | 8 | 23°340 | 8°624 | 46274 | 10 | 24°592 | 17°500 |
| 46038 | 16 | 1°144 | 25°094 | 46131 | 27 | 25°936 | 1°086 | 46203 | 17 | 14°224 | 9°232 | 46275 | 17 | 25°426 | 17°962 |
| 46039 | 32 | 1°593 | 25°164 | 46132 | 8 | 1°254 | 2°933 | 46204 | 20 | 17°227 | 9°836 | 46276 | 10 | 3°420 | 18°448 |
| 46040 | 39 | 5°260 | 25°886 | 46133 | 8 | 12°558 | 2°880 | 46205 | 20 | 19°494 | 9°893 | 46277 | 14 | 4°168 | 18°243 |
| 46041 | 10 | 5°611 | 25°882 | 46134 | 25 | 12°870 | 2°937 | 46206 | 22 | 19°888 | 9°828 | 46278 | 8 | 13°094 | 18°200 |
| 46042 | 20 | 7°523 | 25°742 | 46135 | 29 | 13°685 | 2°900 | 46207 | 13 | 21°635 | 9°788 | 46279 | 46 | 14°588 | 18°252 |
| 46043 | 15 | 8°911 | 25°606 | 46136 | 74 | 14°392 | 2°858 | 46208 | 14 | 23°140 | 9°050 | 46280 | 25 | 24°181 | 18°394 |
| 46044 | 10 | 9°244 | 25°604 | 46137 | 15 | 15°389 | 2°291 | 46209 | 39 | 24°752 | 9°204 | 46281 | 8 | 25°793 | 18°706 |
| 46045 | 22 | 10°151 | 25°568 | 46138 | 9 | 17°960 | 2°737 | 46210 | 19 | 10°148 | 10°712 | 46282 | 8 | 3°744 | 19°368 |
| 46046 | 14 | 11°802 | 25°700 | 46139 | 21 | 20°990 | 2°947 | 46211 | 11 | 11°260 | 10°999 | 46283 | 8 | 11°296 | 19°405 |
| 46047 | 48 | 11°821 | 25°971 | 46140 | 20 | 21°752 | 2°504 | 46212 | 13 | 15°394 | 10°978 | 46284 | 20 | 14°603 | 19°392 |
| 46048 | 18 | 13°172 | 25°918 | 46141 | 9 | 22°538 | 2°465 | 46213 | 12 | 20°664 | 10°856 | 46285 | 8 | 16°816 | 19°964 |
| 46049 | 16 | 13°602 | 25°609 | 46142 | 63 | 25°558 | 2°705 | 46214 | 10 | 23°439 | 10°229 | 46286 | 17 | 21°709 | 19°416 |
| 46050 | 48 | 14°674 | 25°826 | 46143 | 5 | 0°566 | 3°227 | 46215 | 11 | 23°534 | 10°192 | 46287 | 49 | 0°376 | 20°352 |
| 46051 | 49 | 15°358 | 25°707 | 46144 | 8 | 3°187 | 3°373 | 46216 | 36 | 4°673 | 11°597 | 46288 | 15 | 2°062 | 20°072 |
| 46052 | 35 | 16°294 | 25°804 | 46145 | 29 | 3°720 | 3°002 | 46217 | 16 | 5°822 | 11°254 | 46289 | 9 | 7°236 | 20°031 |
| 46053 | 22 | 17°126 | 25°980 | 46146 | 42 | 8°961 | 3°482 | 46218 | 12 | 9°756 | 11°350 | 46290 | 17 | 13°144 | 20°747 |
| 46054 | 32 | 18°398 | 25°548 | 46147 | 8 | 17°434 | 3°675 | 46219 | 9 | 13°500 | 11°044 | 46291 | 10 | 21°621 | 20°049 |
| 46055 | 21 | 23°618 | 25°748 | 46148 | 22 | 19°446 | 3°038 | 46220 | 16 | 17°581 | 11°676 | 46292 | 9 | 25°586 | 20°808 |
| | | | | 46149 | 10 | 24°226 | 3°093 | 46221 | 24 | 0°061 | 12°727 | 46293 | 22 | 0°906 | 21°751 |
| | | | | 46150 | 9 | 24°204 | 3°228 | 46222 | 27 | 0°536 | 12°423 | 46294 | 26 | 1°198 | 21°642 |
| | | | | 46151 | 10 | 0°506 | 4°303 | 46223 | 13 | 6°496 | 12°688 | 46295 | 16 | 3°006 | 21°610 |
| | | | | 46152 | 44 | 6°166 | 4°022 | 46224 | 9 | 6°655 | 12°802 | 46296 | 8 | 4°048 | 21°512 |
| | | | | 46153 | 13 | 7°602 | 4°098 | 46225 | 17 | 7°410 | 12°494 | 46297 | 10 | 7°724 | 21°367 |
| | | | | 46154 | 11 | 15°267 | 4°068 | 46226 | 10 | 13°204 | 12°250 | 46298 | 17 | 10°296 | 21°485 |
| | | | | 46155 | 32 | 16°463 | 4°368 | 46227 | 19 | 19°358 | 12°440 | 46299 | 23 | 15°900 | 21°452 |
| | | | | 46156 | 11 | 19°464 | 4°668 | 46228 | 23 | 22°986 | 12°616 | 46300 | 12 | 20°281 | 21°660 |
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| | | | | 46158 | 9 | 19°841 | 4°733 | 46230 | 8 | 23°563 | 12°641 | 46302 | 12 | 6°153 | 22°599 |
| | | | | 46159 | 17 | 20°119 | 4°080 | 46231 | 9 | 24°340 | 12°500 | 46303 | 11 | 6°287 | 22°244 |
| | | | | 46160 | 23 | 20°226 | 4°644 | 46232 | 12 | 0°411 | 13°656 | 46304 | 17 | 9°256 | 22°862 |
| | | | | 46161 | 30 | 22°106 | 4°452 | 46233 | 20 | 2°949 | 13°174 | 46305 | 14 | 10°402 | 22°724 |
| | | | | 46162 | 59 | 22°468 | 4°062 | 46234 | 10 | 4°818 | 13°681 | 46306 | 12 | 21°965 | 22°788 |
| | | | | 46163 | 15 | 23°062 | 4°952 | 46235 | 48 | 14°718 | 13°062 | 46307 | 26 | 23°083 | 22°539 |
| | | | | 46164 | 20 | 24°975 | 4°842 | 46236 | 11 | 16°100 | 13°120 | 46308 | 9 | 0°178 | 23°522 |
| | | | | 46165 | 19 | 4°704 | 5°773 | 46237 | 10 | 19°472 | 13°778 | 46309 | 29 | 0°106 | 23°212 |
| | | | | 46166 | 17 | 4°773 | 5°393 | 46238 | 8 | 20°379 | 13°207 | 46310 | 37 | 1°470 | 23°146 |
| | | | | 46167 | 9 | 9°902 | 5°251 | 46239 | 22 | 22°786 | 13°450 | 46311 | 38 | 1°548 | 23°313 |
| | | | | 46168 | 12 | 11°498 | 5°226 | 46240 | 43 | 24°302 | 13°858 | 46312 | 37 | 3°992 | 23°244 |
| | | | | 46169 | 18 | 18°181 | 5°229 | 46241 | 19 | 24°693 | 13°212 | 46313 | 31 | 7°592 | 23°073 |
| | | | | 46170 | 10 | 19°448 | 5°358 | 46242 | 11 | 25°892 | 13°258 | 46314 | 12 | 20°260 | 23°188 |
| | | | | 46171 | 12 | 23°084 | 5°008 | 46243 | 36 | 1°232 | 14°632 | 46315 | 38 | 22°235 | 23°428 |
| | | | | 46172 | 12 | 1°891 | 6°086 | 46244 | 20 | 3°738 | 14°404 | 46316 | 10 | 9°917 | 24°900 |
| | | | | 46173 | 22 | 6°732 | 6°800 | 46245 | 16 | 6°454 | 14°828 | 46317 | 9 | 10°662 | 24°937 |
| | | | | 46174 | 22 | 12°150 | 6°445 | 46246 | 32 | 6°512 | 14°294 | 46318 | 8 | 16°436 | 24°676 |
| | | | | 46175 | 12 | 17°569 | 6°850 | 46247 | 10 | 19°786 | 14°586 | 46319 | 11 | 24°006 | 24°564 |
| | | | | 46176 | 11 | 19°100 | 6°397 | 46248 | 12 | 20°602 | 14°600 | 46320 | 38 | 24°844 | 24°726 |
| | | | | 46177 | 9 | 19°950 | 6°553 | 46249 | 10 | 23°934 | 14°179 | 46321 | 12 | 25°668 | 24°867 |
| | | | | 46178 | 28 | 22°261 | 6°030 | 46250 | 32 | 25°184 | 14°408 | 46322 | 11 | 1°660 | 25°856 |
| | | | | 46179 | 30 | 22°347 | 6°188 | 46251 | 45 | 1°261 | 15°138 | 46323 | 16 | 6°404 | 25°498 |
| | | | | 46180 | 9 | 23°277 | 6°408 | 46252 | 15 | 1°356 | 15°950 | 46324 | 16 | 9°078 | 25°440 |
| | | | | 46181 | 9 | 24°864 | 6°952 | 46253 | 13 | 3°623 | 15°963 | 46325 | 9 | 10°159 | 25°662 |
| | | | | 46182 | 12 | 1°380 | 7°008 | 46254 | 32 | 6°906 | 15°032 | 46326 | 14 | 11°737 | 25°652 |
| | | | | 46183 | 22 | 4°900 | 7°476 | 46255 | 18 | 19°648 | 15°509 | 46327 | 32 | 18°206 | 25°830 |
| | | | | 46184 | 30 | 7°712 | 7°092 | 46256 | 9 | 24°337 | 15°210 | 46328 | 20 | 18°577 | 25°822 |
| | | | | 46185 | 20 | 10°788 | 7°788 | 46257 | 9 | 3°282 | 16°534 | 46329 | 18 | 23°415 | 25°888 |
| | | | | 46186 | 42 | 11°330 | 7°782 | 46258 | 21 | 3°512 | 16°124 | 46330 | 12 | 25°417 | 25°340 |

R.A. 17^h 32^m

Plate 1051 : 1917 May 19.

Provisional Constants.

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-00964 -02574 +0549
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| No. | d | x | y |
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| 46351 | 40 | 0°010 | 0°728 |
| 46352 | 22 | 0°896 | 0°896 |
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| 46358 | 11 | 10°284 | 0°679 |
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| 46360 | 10 | 13°457 | 0°590 |
| 46361 | 21 | 14°280 | 0°764 |
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| 46363 | 10 | 16°300 | 0°415 |
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| 46365 | 16 | 23°956 | 0°298 |
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| 46369 | 27 | 3°806 | 1°166 |
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| 46371 | 10 | 6°746 | 1°710 |
| 46372 | 10 | 7°550 | 1°642 |
| 46373 | 11 | 8°830 | 1°606 |
| 46374 | 19 | 9°340 | 1°864 |
| 46375 | 16 | 9°342 | 1°674 |
| 46376 | 10 | 10°294 | 1°553 |
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| 46379 | 10 | 10°970 | 1°758 |
| 46380 | 15 | 11°300 | 1°318 |
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| 46382 | 11 | 12°290 | 1°639 |
| 46383 | 13 | 12°310 | 1°728 |
| 46384 | 10 | 12°550 | 1°19 |

| | | | | | | | | | | | | | | | | | | | |
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| 46406 | 10 | 3-922 | 2-966 | 46478 | 10 | 1-030 | 6-029 | 46550 | 9 | 12-558 | 10-196 | 46622 | 14 | 6-076 | 16-282 | 46694* | 36 | 3-088 | 24-820 |
| 46407 | 27 | 4-579 | 2-972 | 46479 | 10 | 5-910 | 6-672 | 46551 | 14 | 13-247 | 10-607 | 46623 | 9 | 6-574 | 16-773 | 46695 | 16 | 3-920 | 24-948 |
| 46408 | 12 | 4-787 | 2-441 | 46480 | 11 | 6-744 | 6-407 | 46552 | 11 | 16-430 | 10-686 | 46624 | 11 | 10-040 | 16-022 | 46696 | 10 | 5-804 | 24-250 |
| 46409 | 8 | 5-815 | 2-972 | 46481 | 37 | 7-248 | 6-831 | 46553 | 9 | 7-686 | 10-154 | 46625 | 12 | 13-025 | 16-090 | 46697 | 10 | 6-964 | 24-260 |
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| 46411 | 10 | 6-544 | 2-759 | 46483 | 9 | 10-028 | 6-310 | 46555 | 14 | 22-214 | 10-520 | 46627 | 19 | 14-615 | 16-964 | 46699* | 40 | 9-187 | 24-492 |
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| 46422 | 10 | 19-291 | 2-527 | 46494* | 27 | 7-354 | 7-708 | 46566 | 10 | 16-334 | 11-972 | 46638 | 18 | 9-226 | 17-260 | 46710 | 14 | 14-617 | 25-193 |
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| 46426 | 11 | 21-488 | 2-614 | 46498 | 13 | 14-798 | 7-307 | 46570 | 9 | 22-587 | 11-750 | 46642* | 47 | 22-100 | 17-268 | 46714 | 17 | 20-030 | 25-542 |
| 46427 | 13 | 23-610 | 2-241 | 46499 | 12 | 14-818 | 7-394 | 46571 | 23 | 1-040 | 12-740 | 46643 | 21 | 2-322 | 18-500 | 46715 | 12 | 22-684 | 25-440 |
| 46428 | 24 | 23-754 | 2-110 | 46500 | 21 | 15-248 | 7-946 | 46572 | 10 | 1-620 | 12-756 | 46644 | 15 | 3-564 | 18-050 | | | | |
| 46429 | 10 | 24-190 | 2-450 | 46501 | 17 | 17-806 | 7-176 | 46573 | 10 | 2-394 | 12-607 | 46645 | 30 | 8-365 | 18-157 | | | | |
| 46430 | 11 | 2-140 | 3-799 | 46502 | 16 | 17-923 | 7-200 | 46574 | 10 | 6-606 | 12-517 | 46646 | 22 | 12-287 | 18-701 | | | | |
| 46431 | 11 | 2-200 | 3-336 | 46503 | 10 | 19-443 | 7-542 | 46575 | 12 | 6-208 | 12-380 | 46647 | 10 | 14-780 | 18-764 | | | | |
| 46432* | 43 | 4-459 | 3-165 | 46504 | 10 | 19-516 | 7-126 | 46576 | 10 | 7-762 | 12-501 | 46648* | 53 | 15-370 | 18-198 | | | | |
| 46433 | 10 | 5-538 | 3-344 | 46505 | 10 | 21-248 | 7-532 | 46577 | 27 | 14-010 | 12-766 | 46649* | 28 | 21-464 | 18-150 | | | | |
| 46434* | 46 | 5-610 | 3-074 | 46506 | 21 | 22-060 | 7-752 | 46578 | 14 | 14-912 | 12-488 | 46650 | 10 | 10-142 | 19-822 | | | | |
| 46435 | 14 | 10-854 | 3-571 | 46507* | 46 | 22-200 | 7-726 | 46579 | 27 | 17-070 | 12-126 | 46651 | 8 | 22-120 | 19-670 | | | | |
| 46436 | 11 | 11-208 | 3-642 | 46508 | 11 | 22-638 | 7-942 | 46580 | 11 | 20-270 | 12-330 | 46652 | 13 | 22-613 | 19-960 | | | | |
| 46437 | 13 | 12-057 | 3-373 | 46509 | 16 | 24-650 | 7-764 | 46581 | 8 | 20-692 | 12-511 | 46653 | 10 | 3-771 | 20-510 | | | | |
| 46438 | 16 | 13-844 | 3-949 | 46510 | 20 | 24-809 | 7-422 | 46582 | 11 | 21-083 | 12-262 | 46654 | 12 | 10-460 | 20-980 | | | | |
| 46439 | 17 | 17-631 | 3-102 | 46511 | 12 | 0-806 | 8-492 | 46583 | 16 | 21-710 | 12-122 | 46655 | 12 | 17-850 | 20-698 | | | | |
| 46440 | 10 | 18-026 | 3-567 | 46512 | 26 | 4-450 | 8-058 | 46584 | 11 | 24-000 | 12-862 | 46656 | 13 | 20-360 | 20-192 | | | | |
| 46441 | 10 | 19-262 | 3-644 | 46513 | 12 | 4-553 | 8-684 | 46585* | 21 | 0-851 | 13-579 | 46657 | 10 | 21-668 | 20-074 | | | | |
| 46442 | 10 | 20-543 | 3-766 | 46514 | 26 | 5-812 | 8-110 | 46586* | 47 | 2-372 | 13-960 | 46658 | 8 | 2-150 | 21-190 | | | | |
| 46443 | 10 | 22-394 | 3-571 | 46515 | 18 | 6-575 | 8-845 | 46587 | 12 | 3-952 | 13-310 | 46659 | 8 | 6-972 | 21-524 | | | | |
| 46444 | 10 | 23-104 | 3-059 | 46516 | 15 | 10-815 | 8-604 | 46588 | 12 | 3-952 | 13-336 | 46660 | 23 | 10-195 | 21-548 | | | | |
| 46445 | 12 | 23-409 | 3-758 | 46517 | 13 | 10-830 | 8-100 | 46589 | 9 | 5-535 | 13-395 | 46661 | 14 | 11-302 | 21-107 | | | | |
| 46446 | 9 | 24-272 | 3-731 | 46518 | 11 | 14-569 | 8-247 | 46590 | 12 | 6-084 | 13-941 | 46662 | 24 | 14-903 | 21-792 | | | | |
| 46447 | 11 | 25-244 | 3-652 | 46519 | 28 | 16-150 | 8-634 | 46591 | 10 | 7-198 | 13-275 | 46663 | 16 | 15-822 | 21-576 | | | | |
| 46448 | 25 | 25-394 | 3-961 | 46520 | 8 | 16-190 | 8-668 | 46592 | 11 | 8-209 | 13-266 | 46664 | 19 | 23-100 | 21-540 | | | | |
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| 46450* | 63 | 0-381 | 4-197 | 46522 | 24 | 21-166 | 8-660 | 46594 | 12 | 10-846 | 13-164 | 46666 | 16 | 23-465 | 21-616 | | | | |
| 46451 | 16 | 2-905 | 4-936 | 46523 | 14 | 22-758 | 8-436 | 46595 | 18 | 16-776 | 13-770 | 46667 | 11 | 0-180 | 22-026 | | | | |
| 46452* | 40 | 4-778 | 4-040 | 46524 | 22 | 23-162 | 8-032 | 46596 | 10 | 19-948 | 13-636 | 46668* | 23 | 1-291 | 22-611 | | | | |
| 46453 | 25 | 5-514 | 4-673 | 46525 | 21 | 23-814 | 8-830 | 46597 | 12 | 24-018 | 13-270 | 46669 | 15 | 5-516 | 22-831 | | | | |
| 46454 | 28 | 8-316 | 4-958 | 46526 | 13 | 24-274 | 8-866 | 46598 | 20 | 25-370 | 13-900 | 46670* | 46 | 6-272 | 22-300 | | | | |
| 46455 | 24 | 10-930 | 4-570 | 46527 | 20 | 24-925 | 8-604 | 46599 | 10 | 2-011 | 14-289 | 46671 | 10 | 6-444 | 22-513 | | | | |
| 46456 | 10 | 14-793 | 4-790 | 46528 | 12 | 25-578 | 8-270 | 46600* | 25 | 3-265 | 14-497 | 46672 | 10 | 6-640 | 22-602 | | | | |
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| 46458 | 18 | 19-412 | 4-586 | 46530* | 42 | 2-748 | 9-304 | 46602 | 14 | 11-085 | 14-528 | 46674 | 20 | 9-314 | 22-587 | | | | |
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| 46460 | 10 | 20-276 | 4-152 | 46532 | 27 | 5-191 | 9-271 | 46604 | 15 | 13-482 | 14-083 | 46676 | 13 | 11-476 | 22-823 | | | | |
| 46461 | 29 | 20-460 | 4-593 | 46533 | 20 | 5-602 | 9-090 | 46605 | 15 | 16-298 | 14-780 | 46677 | 12 | 12-166 | 22-762 | | | | |
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| 46463 | 10 | 23-590 | 4-057 | 46535 | 9 | 9-900 | 9-770 | 46607 | 8 | 16-340 | 14-012 | 46679 | 9 | 24-552 | 22-584 | | | | |
| 46464 | 13 | 0-994 | 5-076 | 46536 | 22 | 17-168 | 9-681 | 46608 | 10 | 17-802 | 14-223 | 46680 | 10 | 25-386 | 22-804 | | | | |
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| 46466 | 9 | 5-415 | 5-648 | 46538 | 20 | 18-610 | 9-410 | 46610* | 31 | 23-465 | 14-666 | 46682 | 36 | 0-160 | 23-564 | | | | |
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| 46469 | 19 | 11-458 | 5-010 | 46541 | 20 | 19-786 | 9-829 | 46613 | 12 | 6-796 | 15-398 | 46685* | 33 | 13-390 | 23-294 | | | | |
| 46470 | 17 | 12-800 | 5-219 | 46542 | 18 | 22-778 | 9-142 | 46614 | 14 | 8-636 | 15-942 | 46686 | 10 | 15-220 | 23-771 | | | | |
| 46471 | 12 | 13-940 | 5-117 | 46543 | 8 | 23-524 | 9-844 | 46615 | 24 | 10-262 | 15-868 | 46687 | 9 | 20-300 | 23-501 | | | | |
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| 46473* | 45 | 16-622 | 5-018 | 46545 | 12 | 1-550 | | | | | | | | | | | | | |

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|--------|----|--------|-------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|-------|----|--------|--------|
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| 46779 | 22 | 2°008 | 2°410 | 46851 | 14 | 0°848 | 7°154 | 46923 | 21 | 16°803 | 11°944 | 46995 | 13 | 8°583 | 19°316 | 47067 | 21 | 6°180 | 25°732 |
| 46780 | 21 | 2°074 | 2°085 | 46852 | 16 | 2°115 | 7°858 | 46924* | 40 | 17°808 | 11°191 | 46996 | 14 | 10°570 | 19°916 | 47068 | 17 | 7°256 | 25°266 |
| 46781 | 39 | 4°328 | 2°683 | 46853 | 32 | 2°485 | 7°726 | 46925 | 26 | 20°554 | 11°128 | 46997 | 15 | 11°035 | 19°808 | 47069 | 16 | 9°850 | 25°269 |
| 46782 | 18 | 6°230 | 2°935 | 46854 | 32 | 2°642 | 7°384 | 46926 | 18 | 21°428 | 11°602 | 46998 | 24 | 14°214 | 19°576 | 47070 | 15 | 10°256 | 25°074 |
| 46783 | 20 | 7°802 | 2°642 | 46855 | 33 | 5°688 | 7°046 | 46927 | 48 | 25°720 | 11°085 | 46999 | 21 | 14°408 | 19°574 | 47071 | 21 | 10°786 | 25°123 |
| 46784 | 23 | 10°617 | 2°280 | 46856 | 12 | 7°572 | 7°272 | 46928 | 18 | 9°862 | 12°828 | 47000 | 25 | 16°814 | 19°688 | 47072 | 23 | 13°590 | 25°014 |
| 46785 | 22 | 13°922 | 2°919 | 46857 | 19 | 8°678 | 7°582 | 46929 | 17 | 5°551 | 12°054 | 47001* | 27 | 19°528 | 19°469 | 47073 | 24 | 15°845 | 25°088 |
| 46786 | 30 | 14°795 | 2°801 | 46858 | 19 | 9°835 | 7°928 | 46930* | 36 | 7°096 | 12°394 | 47002 | 16 | 20°910 | 19°374 | 47074 | 36 | 19°138 | 25°444 |
| 46787 | 40 | 15°619 | 2°180 | 46859* | 38 | 10°078 | 7°930 | 46931 | 18 | 7°526 | 12°312 | 47003 | 15 | 22°324 | 19°872 | 47075 | 25 | 21°704 | 25°358 |
| 46788 | 21 | 25°214 | 2°093 | 46860 | 17 | 10°238 | 7°440 | 46932 | 15 | 9°090 | 12°686 | 47004 | 19 | 22°854 | 19°812 | 47076 | 28 | 22°916 | 25°690 |
| 46789 | 22 | 0°212 | 3°543 | 46861 | 17 | 11°497 | 7°242 | 46933 | 14 | 9°062 | 12°028 | 47005 | 15 | 25°612 | 19°438 | 47077 | 28 | 23°933 | 25°180 |
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| 46791 | 27 | 1°228 | 3°728 | 46863 | 16 | 17°859 | 7°133 | 46935 | 24 | 18°371 | 12°808 | 47007 | 24 | 5°434 | 20°118 | | | | |
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| 46793 | 24 | 2°351 | 3°961 | 46865 | 24 | 21°006 | 7°980 | 46937 | 16 | 20°250 | 12°306 | 47009 | 16 | 19°312 | 20°252 | | | | |
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| 46799* | 54 | 5°236 | 3°749 | 46871 | 32 | 0°998 | 8°000 | 46943 | 30 | 3°228 | 13°559 | 47015 | 19 | 1°064 | 21°956 | | | | |
| 46800 | 22 | 9°165 | 3°746 | 46872 | 14 | 1°238 | 8°035 | 46944 | 20 | 17°566 | 13°506 | 47016 | 14 | 1°741 | 21°348 | | | | |
| 46801 | 18 | 10°003 | 3°668 | 46873 | 32 | 1°651 | 8°794 | 46945 | 19 | 17°608 | 13°656 | 47017 | 22 | 2°988 | 21°985 | | | | |
| 46802 | 25 | 12°567 | 3°933 | 46874 | 25 | 2°114 | 8°729 | 46946* | 44 | 19°140 | 13°824 | 47018 | 25 | 6°628 | 21°464 | | | | |
| 46803 | 17 | 15°782 | 3°910 | 46875 | 28 | 2°764 | 8°504 | 46947 | 18 | 21°408 | 13°563 | 47019 | 37 | 8°829 | 21°658 | | | | |
| 46804 | 33 | 17°530 | 3°929 | 46876 | 22 | 3°484 | 8°227 | 46948 | 17 | 25°641 | 13°689 | 47020 | 21 | 13°170 | 21°959 | | | | |
| 46805 | 25 | 18°746 | 3°705 | 46877 | 21 | 5°984 | 8°892 | 46949 | 21 | 1°030 | 14°218 | 47021 | 37 | 13°374 | 21°700 | | | | |
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| 46813 | 17 | 4°510 | 4°310 | 46885 | 21 | 21°708 | 8°732 | 46957 | 36 | 1°933 | 15°518 | 47029 | 17 | 3°286 | 22°824 | | | | |
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| 46817 | 16 | 12°688 | 4°250 | 46889 | 30 | 0°118 | 9°114 | 46961 | 18 | 10°496 | 15°816 | 47033 | 19 | 9°389 | 22°120 | | | | |
| 46818 | 21 | 15°259 | 4°820 | 46890 | 17 | 1°342 | 9°978 | 46962 | 17 | 23°328 | 15°137 | 47034 | 22 | 9°584 | 22°572 | | | | |
| 46819 | 24 | 15°834 | 4°545 | 46891 | 17 | 1°305 | 9°809 | 46963 | 36 | 0°848 | 16°326 | 47035 | 16 | 16°468 | 22°298 | | | | |
| 46820 | 20 | 18°764 | 4°841 | 46892 | 15 | 1°368 | 9°068 | 46964 | 23 | 1°918 | 16°310 | 47036 | 21 | 20°102 | 22°355 | | | | |
| 46821 | 13 | 19°140 | 4°602 | 46893 | 21 | 1°426 | 9°974 | 46965 | 26 | 2°994 | 16°647 | 47037* | 52 | 23°508 | 22°673 | | | | |
| 46822 | 20 | 19°948 | 4°595 | 46894 | 17 | 1°065 | 9°755 | 46966* | 54 | 3°066 | 16°615 | 47038 | 44 | 1°162 | 23°914 | | | | |
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| 46824 | 13 | 24°114 | 4°908 | 46896 | 23 | 4°065 | 9°951 | 46968 | 27 | 9°928 | 16°386 | 47040 | 31 | 2°776 | 23°625 | | | | |
| 46825 | 23 | 25°561 | 4°551 | 46897 | 16 | 4°564 | 9°314 | 46969 | 22 | 19°191 | 16°704 | 47041 | 17 | 6°592 | 23°214 | | | | |
| 46826 | 15 | 25°600 | 4°343 | 46898 | 15 | 5°420 | 9°344 | 46970 | 17 | 23°100 | 16°227 | 47042 | 23 | 7°995 | 23°500 | | | | |
| 46827* | 48 | 3°586 | 5°528 | 46899 | 17 | 13°508 | 9°086 | 46971 | 32 | 25°047 | 16°066 | 47043 | 14 | 9°696 | 23°459 | | | | |
| 46828 | 22 | 4°274 | 5°892 | 46900 | 14 | 15°223 | 9°194 | 46972* | 54 | 5°084 | 17°849 | 47044 | 23 | 10°134 | 23°204 | | | | |
| 46829 | 21 | 5°645 | 5°233 | 46901 | 21 | 25°608 | 9°268 | 46973 | 12 | 5°830 | 17°666 | 47045 | 29 | 10°418 | 23°206 | | | | |
| 46830 | 21 | 13°175 | 5°959 | 46902 | 28 | 25°743 | 9°696 | 46974 | 16 | 9°662 | 17°800 | 47046 | 17 | 10°978 | 23°408 | | | | |
| 46831 | 21 | 14°080 | 5°607 | 46903 | 23 | 0°508 | 10°402 | 46975 | 23 | 10°123 | 17°916 | 47047 | 21 | 14°678 | 23°314 | | | | |
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| 46836 | 35 | 0°139 | 6°136 | 46908 | 14 | 5°028 | 10°178 | 46980 | 10 | 22°200 | 17°070 | 47052 | 27 | 25°460 | 23°075 | | | | |
| 46837 | 17 | 3°086 | 6°816 | 46909 | 20 | 6°729 | 10°844 | 46981 | 16 | 22°844 | 17°454 | 47053 | 26 | 25°628 | 23°862 | | | | |
| 46838 | 14 | 4°555 | 6°442 | 46910 | 25 | 8°959 | 10°234 | 46982 | 14 | 2°541 | 18°099 | 47054* | 78 | 3°364 | 24°826 | | | | |
| 46839 | 20 | 5°706 | 6°286 | 46911 | 17 | 9°244 | 10°224 | 46983 | 34 | 4°606 | 18°684 | 47055 | 31 | 4°566 | 24°476 | | | | |
| 46840 | 25 | 10°228 | 6°992 | 46912 | 15 | 14°908 | 10°470 | 46984 | 15 | 6°926 | 18°576 | 47056 | 36 | 7°556 | 24°244 | | | | |
| 46841 | 22 | 10°608 | 6°242 | 46913 | 27 | 17°269 | 10°838 | 46985 | 17 | 12°756 | 18°502 | 47057 | 19 | 7°662 | 24°694 | | | | |
| 46842* | 44 | 12°325 | 6°518 | 46914* | 39 | 20°322 | 10°796 | 46986 | 17 | 23°714 | 18°004 | 47058 | 32 | 7°664 | 24°005 | | | | |
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| 46845 | 23 | 13°482 | 6°262 | 46917 | 17 | 25°762 | 10°348 | 46989 | | | | | | | | | | | |

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|--------|----|--------|-------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|
| 47136 | 8 | 20:434 | 2:758 | 47208* | 39 | 22:505 | 8:694 | 47280* | 34 | 21:078 | 11:854 | 47352 | 12 | 18:574 | 13:010 | 47424 | 10 | 19:023 | 16:502 |
| 47137 | 11 | 21:358 | 2:047 | 47209 | 8 | 22:656 | 8:802 | 47281 | 24 | 21:102 | 11:357 | 47353* | 33 | 18:094 | 13:038 | 47425* | 45 | 20:876 | 16:305 |
| 47138* | 32 | 24:800 | 2:757 | 47210 | 17 | 23:404 | 8:376 | 47282 | 32 | 21:262 | 11:802 | 47354 | 8 | 19:283 | 13:362 | 47426 | 8 | 20:910 | 16:810 |
| 47139 | 10 | 1:658 | 3:873 | 47211 | 23 | 23:504 | 8:700 | 47283 | 10 | 21:285 | 11:007 | 47355 | 8 | 19:814 | 13:346 | 47427 | 14 | 21:056 | 16:054 |
| 47140 | 8 | 2:108 | 3:369 | 47212 | 12 | 24:080 | 8:488 | 47284 | 18 | 21:305 | 11:401 | 47356 | 28 | 20:082 | 13:346 | 47428 | 8 | 21:300 | 16:580 |
| 47141 | 11 | 12:271 | 3:723 | 47213 | 8 | 24:455 | 8:286 | 47285 | 11 | 21:700 | 11:426 | 47357 | 10 | 20:018 | 13:296 | 47429 | 14 | 21:049 | 16:527 |
| 47142 | 13 | 12:331 | 3:030 | 47214 | 8 | 3:304 | 9:469 | 47286 | 33 | 22:065 | 11:940 | 47358 | 29 | 20:132 | 13:456 | 47430 | 24 | 23:766 | 16:508 |
| 47143 | 11 | 16:538 | 3:295 | 47215 | 16 | 3:503 | 9:894 | 47287 | 20 | 22:104 | 11:230 | 47359 | 9 | 20:324 | 13:328 | 47431 | 11 | 24:912 | 16:054 |
| 47144 | 19 | 16:674 | 3:658 | 47216 | 12 | 5:044 | 9:156 | 47288 | 26 | 22:339 | 11:206 | 47360 | 29 | 20:452 | 13:116 | 47432 | 11 | 25:764 | 16:665 |
| 47145* | 35 | 17:509 | 3:042 | 47217* | 38 | 6:424 | 9:086 | 47289 | 9 | 22:398 | 11:917 | 47361 | 17 | 20:458 | 13:028 | 47433 | 8 | 0:056 | 17:322 |
| 47146 | 9 | 17:672 | 3:142 | 47218 | 14 | 9:890 | 9:313 | 47290 | 44 | 22:410 | 11:691 | 47362 | 16 | 20:544 | 13:026 | 47434 | 16 | 7:372 | 17:915 |
| 47147 | 16 | 18:585 | 3:780 | 47219 | 14 | 13:770 | 9:278 | 47291 | 13 | 22:714 | 11:757 | 47363 | 35 | 20:765 | 13:281 | 47435 | 17 | 8:478 | 17:440 |
| 47148 | 13 | 18:792 | 3:159 | 47220 | 19 | 15:974 | 9:827 | 47292 | 25 | 23:700 | 11:318 | 47364 | 25 | 20:954 | 13:436 | 47436 | 14 | 9:574 | 17:993 |
| 47149 | 39 | 19:328 | 3:179 | 47221 | 8 | 16:676 | 9:874 | 47293 | 36 | 24:128 | 11:446 | 47365 | 27 | 21:237 | 13:078 | 47437 | 13 | 11:292 | 17:424 |
| 47150* | 37 | 22:128 | 3:071 | 47222 | 10 | 17:124 | 9:134 | 47294 | 8 | 24:456 | 11:048 | 47366 | 29 | 21:275 | 13:465 | 47438 | 13 | 12:016 | 17:880 |
| 47151* | 33 | 24:422 | 3:743 | 47223 | 8 | 18:758 | 9:069 | 47295 | 13 | 0:078 | 12:956 | 47367 | 34 | 21:540 | 13:461 | 47439 | 13 | 13:730 | 17:354 |
| 47152 | 9 | 3:254 | 4:755 | 47224 | 22 | 18:788 | 9:648 | 47296 | 27 | 2:725 | 12:850 | 47368 | 8 | 21:564 | 13:503 | 47440* | 27 | 13:796 | 17:613 |
| 47153 | 11 | 5:788 | 4:860 | 47225 | 8 | 20:730 | 9:758 | 47297 | 10 | 4:268 | 12:258 | 47369 | 11 | 22:254 | 13:912 | 47441 | 18 | 17:036 | 17:444 |
| 47154 | 8 | 8:036 | 4:814 | 47226 | 8 | 20:953 | 9:386 | 47298 | 10 | 7:430 | 12:917 | 47370 | 21 | 22:418 | 13:196 | 47442 | 10 | 21:314 | 17:846 |
| 47155* | 34 | 16:000 | 4:066 | 47227 | 14 | 21:255 | 9:226 | 47299 | 10 | 7:940 | 12:943 | 47371 | 10 | 23:022 | 13:518 | 47443 | 14 | 22:320 | 17:325 |
| 47156 | 14 | 16:022 | 4:057 | 47228 | 20 | 21:464 | 9:053 | 47300 | 13 | 9:546 | 12:005 | 47372 | 8 | 23:171 | 13:275 | 47444* | 36 | 23:194 | 17:682 |
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|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|
| 48560 | 8 | 21.448 | 11.465 | 48632 | 11 | 23.376 | 12.458 | 48704 | 8 | 24.005 | 13.540 | 48776 | 14 | 6.382 | 15.448 | 48848 | 13 | 15.318 | 16.384 |
| 48561 | 9 | 21.578 | 11.928 | 48633* | 45 | 23.500 | 12.794 | 48705 | 17 | 24.079 | 13.785 | 48777 | 17 | 6.394 | 15.488 | 48849 | 11 | 15.700 | 16.750 |
| 48562 | 11 | 22.156 | 11.345 | 48634 | 13 | 23.530 | 12.400 | 48706 | 12 | 24.150 | 13.234 | 48778 | 18 | 8.400 | 15.102 | 48850 | 13 | 15.890 | 16.777 |
| 48563 | 9 | 22.404 | 11.520 | 48635 | 11 | 23.716 | 12.744 | 48707 | 9 | 24.388 | 13.533 | 48779 | 21 | 8.656 | 15.016 | 48851 | 14 | 16.406 | 16.810 |
| 48564 | 13 | 22.440 | 11.265 | 48636 | 9 | 23.976 | 12.614 | 48708 | 34 | 24.674 | 13.729 | 48780 | 8 | 9.525 | 15.704 | 48852 | 9 | 16.808 | 16.196 |
| 48565 | 9 | 22.799 | 11.826 | 48637 | 13 | 24.076 | 12.364 | 48709 | 15 | 24.688 | 13.715 | 48781 | 18 | 10.116 | 15.302 | 48853 | 17 | 16.966 | 16.724 |
| 48566 | 19 | 22.842 | 11.891 | 48638 | 22 | 24.182 | 12.736 | 48710 | 8 | 24.751 | 13.370 | 48782 | 13 | 10.420 | 15.544 | 48854 | 18 | 17.034 | 16.545 |
| 48567 | 12 | 22.886 | 11.903 | 48639 | 12 | 24.195 | 12.638 | 48711 | 8 | 24.778 | 13.360 | 48783 | 34 | 11.041 | 15.077 | 48855 | 13 | 17.367 | 16.973 |
| 48568 | 28 | 22.936 | 11.026 | 48640 | 15 | 24.426 | 12.726 | 48712 | 9 | 24.840 | 13.218 | 48784 | 28 | 11.298 | 15.374 | 48856 | 8 | 17.548 | 16.724 |
| 48569 | 13 | 22.979 | 11.572 | 48641 | 26 | 24.480 | 12.506 | 48713 | 12 | 25.219 | 13.590 | 48785 | 18 | 11.770 | 15.225 | 48857 | 11 | 18.392 | 16.575 |
| 48570 | 8 | 23.132 | 11.896 | 48642 | 32 | 25.057 | 12.112 | 48714 | 42 | 25.477 | 13.584 | 48786 | 26 | 13.154 | 15.025 | 48858 | 13 | 18.554 | 16.274 |
| 48571 | 11 | 23.998 | 11.387 | 48643 | 10 | 25.098 | 12.406 | 48715 | 15 | 25.500 | 13.868 | 48787 | 10 | 13.676 | 15.040 | 48859 | 9 | 19.076 | 16.102 |
| 48572 | 16 | 24.416 | 11.813 | 48644 | 23 | 25.396 | 12.412 | 48716 | 12 | 25.544 | 13.064 | 48788 | 14 | 13.811 | 15.166 | 48860 | 15 | 19.228 | 16.150 |
| 48573 | 30 | 24.468 | 11.614 | 48645 | 15 | 25.562 | 12.254 | 48717 | 17 | 25.626 | 13.565 | 48789 | 25 | 14.432 | 15.788 | 48861 | 25 | 19.432 | 16.129 |
| 48574 | 8 | 24.546 | 11.623 | 48646 | 25 | 25.856 | 12.095 | 48718 | 21 | 25.898 | 13.120 | 48790 | 9 | 16.090 | 15.648 | 48862 | 13 | 19.562 | 16.192 |
| 48575 | 12 | 24.646 | 11.092 | 48647* | 41 | 3.207 | 13.736 | 48719 | 10 | 0.236 | 14.056 | 48791 | 21 | 16.696 | 15.338 | 48863 | 9 | 19.703 | 16.730 |
| 48576 | 10 | 24.878 | 11.924 | 48648 | 8 | 3.828 | 13.505 | 48720 | 11 | 4.445 | 14.641 | 48792 | 10 | 17.148 | 15.910 | 48864 | 18 | 19.800 | 16.504 |
| 48577 | 9 | 24.935 | 11.520 | 48649 | 9 | 4.505 | 13.292 | 48721 | 12 | 5.016 | 14.393 | 48793 | 16 | 17.570 | 15.356 | 48865 | 22 | 20.043 | 16.219 |
| 48578 | 10 | 25.153 | 11.526 | 48650 | 10 | 5.568 | 13.538 | 48722 | 18 | 6.670 | 14.682 | 48794 | 9 | 18.390 | 15.550 | 48866 | 10 | 20.072 | 16.218 |
| 48579 | 21 | 25.180 | 11.266 | 48651 | 14 | 5.664 | 13.810 | 48723 | 19 | 7.516 | 14.526 | 48795 | 9 | 18.746 | 15.678 | 48867 | 14 | 20.564 | 16.830 |
| 48580 | 12 | 25.205 | 11.822 | 48652 | 18 | 6.660 | 13.738 | 48724 | 12 | 7.663 | 14.460 | 48796 | 9 | 18.794 | 15.034 | 48868 | 8 | 20.818 | 16.148 |
| 48581 | 10 | 25.300 | 11.174 | 48653 | 11 | 7.864 | 13.108 | 48725 | 18 | 7.915 | 14.086 | 48797* | 30 | 21.185 | 15.670 | 48869 | 9 | 21.055 | 16.482 |
| 48582 | 27 | 25.393 | 11.060 | 48654 | 13 | 7.910 | 13.730 | 48726 | 15 | 8.114 | 14.604 | 48798 | 13 | 21.302 | 15.774 | 48870 | 12 | 21.273 | 16.176 |
| 48583 | 12 | 25.352 | 11.270 | 48655 | 9 | 8.185 | 13.763 | 48727 | 12 | 8.809 | 14.584 | 48799 | 22 | 21.788 | 15.436 | 48871 | 9 | 22.150 | 16.463 |
| 48584 | 14 | 25.704 | 11.705 | 48656 | 19 | 8.746 | 13.444 | 48728 | 9 | 9.341 | 14.084 | 48800 | 10 | 21.886 | 15.799 | 48872* | 40 | 22.739 | 16.328 |
| 48585 | 9 | 25.957 | 11.741 | 48657 | 13 | 9.274 | 13.734 | 48729 | 13 | 9.570 | 14.774 | 48801 | 20 | 21.950 | 15.337 | 48873 | 11 | 22.851 | 16.719 |
| 48586 | 23 | 25.976 | 11.494 | 48658 | 12 | 9.490 | 13.852 | 48730 | 15 | 9.611 | 14.418 | 48802 | 8 | 22.167 | 15.246 | 48874 | 8 | 23.148 | 16.552 |
| 48587 | 15 | 1.200 | 12.252 | 48659 | 9 | 9.650 | 13.316 | 48731 | 31 | 11.505 | 14.281 | 48803 | 12 | 22.286 | 15.146 | 48875 | 11 | 23.300 | 16.484 |
| 48588 | 17 | 3.688 | 12.865 | 48660 | 11 | 9.963 | 13.534 | 48732 | 21 | 12.016 | 14.596 | 48804 | 20 | 22.560 | 15.853 | 48876 | 17 | 23.418 | 16.312 |
| 48589* | 58 | 3.710 | 12.758 | 48661 | 11 | 11.154 | 13.524 | 48733 | 16 | 13.145 | 14.174 | 48805 | 8 | 22.845 | 15.305 | 48877 | 9 | 23.458 | 16.940 |
| 48590 | 10 | 5.726 | 12.566 | 48662 | 10 | 11.388 | 13.036 | 48734* | 40 | 14.597 | 14.856 | 48806 | 8 | 22.850 | 15.482 | 48878 | 11 | 23.604 | 16.695 |
| 48591 | 19 | 6.984 | 12.284 | 48663 | 9 | 11.542 | 13.304 | 48735 | 14 | 15.986 | 14.500 | 48807 | 20 | 23.111 | 15.749 | 48879 | 8 | 23.820 | 16.978 |
| 48592* | 34 | 8.266 | 12.110 | 48664 | 25 | 11.569 | 13.546 | 48736 | 10 | 16.381 | 14.643 | 48808 | 10 | 23.142 | 15.547 | 48880 | 10 | 23.928 | 16.806 |
| 48593 | 60 | 9.558 | 12.635 | 48665 | 11 | 11.581 | 13.352 | 48737 | 10 | 16.936 | 14.008 | 48809 | 21 | 23.214 | 15.016 | 48881 | 19 | 24.351 | 16.452 |
| 48594 | 28 | 9.735 | 12.255 | 48666 | 20 | 12.504 | 13.760 | 48738 | 18 | 18.252 | 14.876 | 48810 | 30 | 23.230 | 15.144 | 48882 | 9 | 24.400 | 16.662 |
| 48595 | 20 | 9.868 | 12.038 | 48667 | 16 | 12.506 | 13.682 | 48739 | 8 | 18.746 | 14.932 | 48811 | 10 | 24.156 | 15.086 | 48883 | 31 | 24.494 | 16.126 |
| 48596 | 10 | 10.036 | 12.212 | 48668 | 9 | 12.775 | 13.368 | 48740 | 17 | 18.067 | 14.684 | 48812* | 38 | 24.204 | 15.238 | 48884 | 3 | 25.081 | 16.780 |
| 48597 | 33 | 10.784 | 12.606 | 48669 | 12 | 13.576 | 13.735 | 48741 | 13 | 19.016 | 14.430 | 48813 | 13 | 24.246 | 15.218 | 48885 | 37 | 25.144 | 16.766 |
| 48598 | 13 | 11.038 | 12.152 | 48670 | 25 | 14.454 | 13.600 | 48742 | 17 | 19.150 | 14.628 | 48814 | 10 | 24.383 | 15.320 | 48886 | 8 | 25.391 | 16.234 |
| 48599 | 11 | 11.092 | 12.754 | 48671 | 9 | 15.905 | 13.728 | 48743 | 9 | 19.264 | 14.700 | 48815 | 10 | 24.656 | 15.006 | 48887 | 21 | 25.850 | 16.605 |
| 48600 | 15 | 12.150 | 12.818 | 48672 | 11 | 16.782 | 13.324 | 48744 | 11 | 19.682 | 14.914 | 48816 | 13 | 24.713 | 15.066 | 48888 | 20 | 25.934 | 16.754 |
| 48601 | 8 | 12.303 | 12.314 | 48673 | 14 | 17.624 | 13.050 | 48745 | 12 | 19.692 | 14.600 | 48817 | 13 | 24.804 | 15.724 | 48889 | 8 | 0.432 | 17.382 |
| 48602 | 16 | 12.736 | 12.822 | 48674* | 42 | 17.728 | 13.422 | 48746 | 16 | 19.884 | 14.429 | 48818 | 10 | 24.812 | 15.254 | 48890 | 10 | 1.226 | 17.394 |
| 48603 | 8 | 13.246 | 12.882 | 48675* | 44 | 18.075 | 13.574 | 48747 | 9 | 20.096 | 14.431 | 48819 | 15 | 25.231 | 15.085 | 48891 | 13 | 3.201 | 17.436 |
| 48604 | 9 | 13.286 | 12.240 | 48676 | 10 | 18.404 | 13.220 | 48748 | 11 | 21.596 | 14.714 | 48820 | 14 | 25.739 | 15.738 | 48892 | 13 | 3.566 | 17.155 |
| 48605 | 25 | 13.362 | 12.109 | 48677 | 10 | 18.426 | 13.098 | 48749 | 11 | 22.268 | 14.398 | 48821 | 8 | 25.749 | 15.573 | 48893 | 9 | 3.633 | 17.442 |
| 48606 | 8 | 13.683 | 12.560 | 48678 | 8 | 19.740 | 13.125 | 48750 | 9 | 22.688 | 14.095 | 48822 | 24 | 25.808 | 15.573 | 48894* | 35 | 4.400 | 17.384 |
| 48607 | 11 | 13.846 | 12.654 | 48679 | 15 | 19.776 | 13.166 | 48751 | 12 | 22.795 | 14.499 | 48823 | 20 | 25.896 | 15.286 | 48895 | 12 | 5.354 | 17.498 |
| 48608 | 10 | 16.210 | 12.555 | 48680 | 18 | 20.036 | 13.716 | 48752 | 10 | 23.079 | 14.393 | 48824 | 12 | 0.032 | 16.394 | 48896 | 8 | 5.421 | 17.327 |
| 48609 | 9 | 16.234 | 12.221 | 48681 | 16 | 20.257 | 13.985 | 48753 | 8 | 23.146 | 14.134 | 48825 | 8 | 1.614 | 16.089 | 48897 | 24 | 7.034 | 17.098 |
| 48610 | 12 | 16.973 | 12.357 | 48682 | 9 | 20.314 | 13.550 | 48754 | 21 | 23.254 | 14.486 | 48826 | 19 | 2.836 | 16.732 | 48898 | 31 | 7.184 | 17.592 |
| 48611 | 9 | 18.052 | 12.908 | 48683 | 11 | 20.384 | 13.199 | 48755 | 14 | 23.260 | 14.746 | 48827 | 11 | 4.294 | 16.448 | 48899 | 10 | 7.458 | 17.544 |
| 48612 | 8 | 19.293 | 12.742 | 48684 | 10 | 21.406 | 13.384 | 48756 | 18 | 23.302 | 14.248 | 48828 | 25 | 5.172 | 16.336 | 48900 | 8 | 7.655 | 17.690 |
| 48613 | 10 | 19.304 | 12.526 | 48685 | 12 | 20.465 | 13.008 | 48757 | 9 | 23.447 | 14.408 | 48829 | 13 | 6.046 | 16.370 | 48901 | 9 | 7.678 | 17.726 |
| 48614 | 10 | 19.638 | 12.195 | 48686 | 15 | 21.089 | 13.330 | 48758 | 17 | 23.534 | 14.068 | 48830 | 22 | 7.114 | 16.723 | 48902 | 9 | 7.922 | 17.259 |
| 48615 | 18 | 20.116 | 12.904 | 48687 | 14 | 21.200 | 13.038 | 48759 | 40 | 23.694 | 14.277 | 48831 | 10 | 7.729 | 16.752 | 48903 | 16 | 8.133 | 17.369 |
| 48616 | 9 | 20.246 | 12.178 | 48688 | 8 | 21.246 | 13.387 | 48760 | 12 | 23.754 | 14.650 | 48832 | 11 | 8.306 | 16.316 | 48904 | 10 | 8.877 | 17.453 |
| 48617 | 19 | 20.318 | 12.162 | 48689 | 27 | 21.775 | 13.345 | 48761 | 11 | 23.908 | 14.164 | 48833 | 10 | 8.512 | 16.316 | 48905 | 30 | 9.181 | 17.434 |
| 48618 | 16 | 20.416 | 12.019 | 48690 | 10 | 22.308 | 13.528 | 48762 | 11 | 23.959 | 14.882 | 48834 | 8 | 8.584 | 16.454 | 48906 | 14 | 9.664 | 17.144 |
| 48619 | 8 | 20.924 | 12.346 | 48691 | 8 | 22.487 | 13.672 | 48763 | 9 | 23.962 | 14.361 | 48835 | 9 | 10.528 | 16.949 | 48907* | 55 | 11.765 | 17.088 |
| 48620 | 11 | 21.000 | 12.810 | 48692 | 9 | 22.507 | 13.646 | 48764 | 35 | 24.064 | 14.897 | 48836 | 9 | 10.946 | 16.738 | 48908 | 10 | 13.296 | 17.444 |
| 48621 | 10 | 21.206 | 12.906 | 48693 | 15 | 22.709 | 13.920 | 48765 | 11 | 24.858 | 15.514 | 48837 | 14 | 11.076 | 16.974 | 48909 | 8 | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|-------|-------|----|--------|-------|-------|----|--------|-------|-------|----|--------|-------|-------|----|--------|-------|
| 49256 | 27 | 23.665 | 0.432 | 49328 | 10 | 13.326 | 2.282 | 49400 | 23 | 13.740 | 3.135 | 49472 | 10 | 13.236 | 4.588 | 49544 | 14 | 12.116 | 5.758 |
| 49257 | 22 | 23.718 | 0.194 | 49329 | 10 | 13.361 | 2.671 | 49401 | 11 | 13.743 | 3.913 | 49473 | 11 | 13.391 | 4.450 | 49545 | 28 | 12.331 | 5.804 |
| 49258 | 11 | 25.544 | 0.046 | 49330 | 10 | 13.670 | 2.930 | 49402 | 12 | 14.015 | 3.563 | 49474 | 14 | 13.728 | 4.994 | 49546 | 21 | 12.100 | 5.661 |
| 49259 | 16 | 1.037 | 1.166 | 49331 | 13 | 14.496 | 2.626 | 49403 | 8 | 14.082 | 3.451 | 49475 | 8 | 13.950 | 4.440 | 49547 | 32 | 12.834 | 5.730 |
| 49260 | 10 | 1.005 | 1.700 | 49332 | 16 | 14.844 | 2.857 | 49404 | 28 | 14.130 | 3.124 | 49476 | 8 | 14.364 | 4.551 | 49548 | 14 | 13.506 | 5.406 |
| 49261 | 34 | 1.872 | 1.602 | 49333 | 10 | 14.920 | 2.174 | 49405 | 9 | 14.144 | 3.514 | 49477 | 11 | 14.900 | 4.416 | 49549 | 22 | 13.748 | 5.130 |
| 49262 | 24 | 4.970 | 1.577 | 49334 | 19 | 14.940 | 2.487 | 49406 | 10 | 14.629 | 3.792 | 49478 | 31 | 15.065 | 4.506 | 49550 | 11 | 13.801 | 5.218 |
| 49263 | 12 | 5.208 | 1.874 | 49335 | 8 | 15.129 | 2.325 | 49407 | 10 | 14.712 | 3.874 | 49479 | 41 | 15.210 | 4.810 | 49551 | 26 | 14.100 | 5.730 |
| 49264 | 18 | 5.898 | 1.567 | 49336 | 25 | 15.138 | 2.246 | 49408 | 10 | 14.749 | 3.138 | 49480 | 29 | 15.454 | 4.383 | 49552 | 29 | 14.236 | 5.186 |
| 49265 | 26 | 5.976 | 1.328 | 49337 | 40 | 15.376 | 2.939 | 49409 | 60 | 15.216 | 3.407 | 49481 | 21 | 15.578 | 4.800 | 49553 | 35 | 14.528 | 5.206 |
| 49266 | 22 | 6.407 | 1.668 | 49338 | 12 | 15.482 | 2.081 | 49410 | 13 | 15.938 | 3.346 | 49482 | 28 | 15.649 | 4.250 | 49554 | 17 | 14.706 | 5.615 |
| 49267 | 19 | 6.650 | 1.470 | 49339 | 9 | 15.639 | 2.682 | 49411 | 21 | 15.992 | 3.247 | 49483 | 10 | 15.841 | 4.211 | 49555 | 17 | 15.144 | 5.170 |
| 49268 | 30 | 7.286 | 1.794 | 49340 | 25 | 16.302 | 2.020 | 49412 | 10 | 16.448 | 3.234 | 49484 | 19 | 15.858 | 4.468 | 49556 | 10 | 15.521 | 5.200 |
| 49269 | 11 | 7.836 | 1.636 | 49341 | 26 | 16.556 | 2.730 | 49413 | 13 | 16.485 | 3.168 | 49485 | 15 | 15.883 | 4.706 | 49557 | 29 | 16.214 | 5.524 |
| 49270 | 11 | 7.839 | 1.866 | 49342 | 36 | 16.564 | 2.833 | 49414 | 30 | 16.682 | 3.039 | 49486 | 22 | 16.408 | 4.720 | 49558 | 33 | 16.630 | 5.289 |
| 49271 | 8 | 7.910 | 1.279 | 49343 | 9 | 16.676 | 2.537 | 49415 | 8 | 16.882 | 3.832 | 49487 | 8 | 16.476 | 4.646 | 49559 | 15 | 17.582 | 5.489 |
| 49272 | 12 | 10.622 | 1.122 | 49344 | 12 | 16.782 | 2.484 | 49416 | 44 | 17.076 | 3.975 | 49488 | 10 | 16.478 | 4.660 | 49560 | 17 | 16.620 | 5.745 |
| 49273 | 18 | 11.841 | 1.504 | 49345 | 30 | 16.855 | 2.968 | 49417 | 18 | 17.142 | 3.726 | 49489 | 9 | 16.671 | 4.284 | 49561 | 13 | 17.882 | 5.232 |
| 49274 | 14 | 11.974 | 1.660 | 49346 | 13 | 17.056 | 2.552 | 49418 | 35 | 17.568 | 3.584 | 49490 | 10 | 16.736 | 4.112 | 49562 | 32 | 18.506 | 5.722 |
| 49275 | 16 | 12.510 | 1.526 | 49347 | 35 | 17.698 | 2.132 | 49419 | 28 | 17.626 | 3.567 | 49491 | 10 | 16.938 | 4.504 | 49563 | 25 | 18.632 | 5.524 |
| 49276 | 27 | 12.751 | 1.155 | 49348 | 17 | 17.972 | 2.289 | 49420 | 9 | 17.995 | 3.661 | 49492 | 11 | 17.018 | 4.922 | 49564 | 14 | 18.640 | 5.686 |
| 49277 | 23 | 12.826 | 1.288 | 49349 | 26 | 18.290 | 2.253 | 49421 | 19 | 17.722 | 3.933 | 49493 | 10 | 17.326 | 4.518 | 49565 | 17 | 18.868 | 5.936 |
| 49278 | 26 | 13.063 | 1.738 | 49350 | 10 | 18.844 | 2.591 | 49422 | 9 | 17.736 | 3.549 | 49494 | 10 | 17.964 | 4.348 | 49566 | 8 | 18.904 | 5.556 |
| 49279 | 11 | 13.223 | 1.008 | 49351 | 19 | 18.860 | 2.006 | 49423 | 41 | 17.806 | 3.320 | 49495 | 18 | 18.063 | 4.698 | 49567 | 27 | 18.954 | 5.520 |
| 49280 | 26 | 14.474 | 1.694 | 49352 | 10 | 19.105 | 2.770 | 49424 | 9 | 17.893 | 3.112 | 49496 | 8 | 18.274 | 4.258 | 49568 | 9 | 19.310 | 5.224 |
| 49281 | 32 | 15.174 | 1.484 | 49353 | 26 | 19.224 | 2.613 | 49425 | 10 | 17.894 | 3.844 | 49497 | 21 | 18.521 | 4.326 | 49569 | 9 | 19.343 | 5.552 |
| 49282 | 32 | 15.416 | 1.353 | 49354 | 8 | 19.296 | 2.394 | 49426 | 8 | 18.182 | 3.914 | 49498 | 10 | 18.659 | 4.016 | 49570 | 10 | 19.685 | 5.364 |
| 49283 | 9 | 15.676 | 1.502 | 49355 | 9 | 20.013 | 2.451 | 49427 | 20 | 18.292 | 3.456 | 49499 | 9 | 19.202 | 4.894 | 49571 | 27 | 19.774 | 5.216 |
| 49284 | 8 | 15.950 | 1.618 | 49356 | 15 | 20.493 | 2.543 | 49428 | 9 | 19.666 | 3.790 | 49500 | 23 | 19.434 | 4.934 | 49572 | 35 | 20.226 | 5.913 |
| 49285 | 13 | 16.112 | 1.180 | 49357 | 10 | 20.771 | 2.382 | 49429 | 31 | 19.855 | 3.876 | 49501 | 32 | 19.568 | 4.904 | 49573 | 14 | 20.674 | 5.716 |
| 49286 | 22 | 16.247 | 1.145 | 49358 | 14 | 21.402 | 2.260 | 49430 | 21 | 20.068 | 3.014 | 49502 | 23 | 20.794 | 4.722 | 49574 | 12 | 21.271 | 5.427 |
| 49287 | 9 | 16.442 | 1.096 | 49359 | 37 | 21.671 | 2.390 | 49431 | 26 | 20.073 | 3.895 | 49503 | 25 | 21.459 | 4.120 | 49575 | 10 | 21.011 | 5.646 |
| 49288 | 17 | 16.603 | 1.708 | 49360 | 28 | 21.718 | 2.045 | 49432 | 31 | 20.400 | 3.601 | 49504 | 32 | 21.668 | 4.029 | 49576 | 11 | 21.934 | 5.322 |
| 49289 | 25 | 16.800 | 1.174 | 49361 | 10 | 22.618 | 2.766 | 49433 | 16 | 20.636 | 3.945 | 49505 | 12 | 21.771 | 4.854 | 49577 | 28 | 22.048 | 5.688 |
| 49290 | 9 | 17.554 | 1.916 | 49362 | 9 | 22.776 | 2.758 | 49434 | 11 | 21.354 | 3.896 | 49506 | 15 | 22.777 | 4.319 | 49578 | 10 | 22.154 | 5.482 |
| 49291 | 25 | 17.592 | 1.040 | 49363 | 8 | 22.780 | 2.263 | 49435 | 10 | 21.799 | 3.132 | 49507 | 10 | 22.873 | 4.552 | 49579 | 14 | 22.247 | 5.913 |
| 49292 | 23 | 18.584 | 1.500 | 49364 | 26 | 23.134 | 2.006 | 49436 | 38 | 23.146 | 3.222 | 49508 | 35 | 23.246 | 4.729 | 49580 | 20 | 23.379 | 5.674 |
| 49293 | 21 | 18.959 | 1.004 | 49365 | 11 | 23.925 | 2.128 | 49437 | 13 | 23.300 | 3.470 | 49509 | 31 | 23.438 | 4.891 | 49581 | 14 | 23.072 | 5.794 |
| 49294 | 17 | 19.550 | 1.502 | 49366 | 20 | 24.240 | 2.208 | 49438 | 23 | 23.712 | 3.280 | 49510 | 8 | 23.578 | 4.466 | 49582 | 12 | 23.342 | 5.947 |
| 49295 | 19 | 20.616 | 1.010 | 49367 | 12 | 25.836 | 2.011 | 49439 | 9 | 24.680 | 3.210 | 49511 | 9 | 24.510 | 4.271 | 49583 | 19 | 23.783 | 5.898 |
| 49296 | 10 | 20.993 | 1.636 | 49368 | 9 | 0.021 | 3.864 | 49440 | 11 | 1.034 | 4.088 | 49512 | 10 | 0.140 | 5.874 | 49584 | 19 | 24.296 | 5.706 |
| 49297 | 8 | 21.538 | 1.492 | 49369 | 25 | 0.278 | 3.069 | 49441 | 9 | 1.110 | 4.984 | 49513 | 10 | 0.214 | 5.136 | 49585 | 10 | 25.088 | 5.862 |
| 49298 | 31 | 21.829 | 1.194 | 49370 | 32 | 0.394 | 3.399 | 49442 | 12 | 2.916 | 4.184 | 49514 | 12 | 0.300 | 5.984 | 49586 | 30 | 25.854 | 5.247 |
| 49299 | 33 | 22.089 | 1.532 | 49371 | 13 | 0.708 | 3.396 | 49443 | 39 | 3.200 | 5.534 | 49515 | 9 | 0.322 | 5.500 | 49587 | 8 | 0.045 | 6.592 |
| 49300 | 12 | 23.059 | 1.450 | 49372 | 12 | 0.922 | 3.391 | 49444 | 20 | 4.236 | 4.090 | 49516 | 8 | 0.572 | 5.668 | 49588 | 35 | 0.746 | 6.404 |
| 49301 | 23 | 0.326 | 2.384 | 49373 | 9 | 1.371 | 3.291 | 49445 | 11 | 4.616 | 4.352 | 49517 | 9 | 0.812 | 5.943 | 49589 | 32 | 0.922 | 6.766 |
| 49302 | 27 | 1.032 | 2.725 | 49374 | 11 | 1.805 | 3.856 | 49446 | 12 | 4.801 | 4.294 | 49518 | 26 | 0.900 | 5.117 | 49590 | 11 | 1.308 | 6.814 |
| 49303 | 19 | 1.395 | 2.313 | 49375 | 14 | 1.964 | 3.335 | 49447 | 19 | 6.304 | 4.936 | 49519 | 56 | 0.948 | 5.870 | 49591 | 29 | 1.516 | 6.832 |
| 49304 | 22 | 1.498 | 2.278 | 49376 | 10 | 2.212 | 3.193 | 49448 | 14 | 7.066 | 4.490 | 49520 | 10 | 1.735 | 5.596 | 49592 | 9 | 1.545 | 6.532 |
| 49305 | 30 | 2.671 | 2.106 | 49377 | 18 | 2.296 | 3.212 | 49449 | 55 | 7.285 | 4.162 | 49521 | 22 | 2.914 | 5.418 | 49593 | 17 | 2.755 | 6.214 |
| 49306 | 10 | 3.028 | 2.215 | 49378 | 12 | 2.342 | 3.240 | 49450 | 8 | 7.458 | 4.222 | 49522 | 23 | 3.382 | 5.446 | 49594 | 28 | 3.301 | 6.024 |
| 49307 | 21 | 3.537 | 2.854 | 49379 | 54 | 3.105 | 3.095 | 49451 | 26 | 7.926 | 4.154 | 49523 | 20 | 4.304 | 5.330 | 49595 | 34 | 3.344 | 6.482 |
| 49308 | 13 | 3.715 | 2.667 | 49380 | 12 | 3.562 | 3.883 | 49452 | 8 | 8.003 | 4.875 | 49524 | 10 | 4.426 | 5.610 | 49596 | 10 | 3.525 | 6.138 |
| 49309 | 16 | 3.733 | 2.377 | 49381 | 9 | 3.947 | 3.035 | 49453 | 12 | 8.070 | 4.993 | 49525 | 15 | 4.802 | 5.146 | 49597 | 10 | 3.582 | 6.566 |
| 49310 | 10 | 4.354 | 2.304 | 49382 | 12 | 4.006 | 3.902 | 49454 | 25 | 8.136 | 4.018 | 49526 | 17 | 5.546 | 5.765 | 49598 | 20 | 3.764 | 6.827 |
| 49311 | 9 | 4.476 | 2.553 | 49383 | 9 | 4.528 | 3.617 | 49455 | 10 | 9.000 | 4.805 | 49527 | 43 | 5.975 | 5.516 | 49599 | 13 | 3.770 | 6.668 |
| 49312 | 29 | 4.768 | 2.295 | 49384 | 26 | 7.008 | 3.589 | 49456 | 10 | 9.084 | 4.994 | 49528 | 9 | 6.101 | 5.898 | 49600 | 10 | 3.816 | 6.068 |
| 49313 | 29 | 5.392 | 2.721 | 49385 | 20 | 8.214 | 3.183 | 49457 | 8 | 9.179 | 4.820 | 49529 | 15 | 6.644 | 5.265 | 49601 | 25 | 4.365 | 6.918 |
| 49314 | 10 | 5.670 | 2.075 | 49386 | 10 | 9.096 | 3.610 | 49458 | 23 | 9.398 | 4.266 | 49530 | 8 | 6.728 | 5.630 | 49602 | 12 | 4.857 | 6.758 |
| 49315 | 14 | 6.376 | 2.455 | 49387 | 11 | 10.328 | 3.962 | 49459 | 14 | 9.672 | 4.087 | 49531 | 19 | 7.142 | 5.288 | 49603 | 13 | 4.904 | 6.944 |
| 49316 | 20 | 7.482 | 2.825 | 49388 | 10 | 10.964 | 3.593 | 49460 | 10 | 10.234 | 4.394 | 49532 | 14 | 7.982 | 5.272 | 49604 | 8 | 5.230 | 6.723 |
| 49317 | 19 | 8.410 | 2.045 | 49389 | 11 | 11.427 | 3.577 | 49461 | 32 | 10.892 | 4.684 | 49533 | 13 | 8.994 | 5.201 | 49605 | 11 | 6.642 | 6.630 |
| 49318 | 9 | 10.556 | 2.083 | 49390 | 11 | 11.615 | 3.983 | 49462 | 15 | 11.048 | 4.726 | 49534 | 21 | 9.214 | 5.704 | 49606 | 12 | 6.822 | 6.948 |
| 49319 | 9 | 10.936 | 2.096 | 49391 | 10 | 11.782 | 3.801 | 49463 | 10 | 11.071 | 4. | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--------|----|-----------|----------|--------|----|-----------|----------|--------|----|-----------|----------|--------|----|-----------|-----------|--------|----|-----------|------------|
| 49616 | 33 | 9° 57'8" | 6° 18'8" | 49688 | 11 | 7° 6'35" | 7° 44'2" | 49760 | 25 | 6° 29'0" | 8° 7'46" | 49832 | 12 | 8° 0'60" | 9° 18'8" | 49904 | 10 | 10° 4'78" | 10° 7'39" |
| 49617 | 13 | 9° 7'66" | 6° 8'04" | 49689 | 19 | 8° 1'70" | 7° 28'6" | 49761 | 12 | 6° 3'14" | 8° 1'81" | 49833 | 32 | 8° 2'08" | 9° 9'8" | 49905 | 16 | 10° 7'84" | 10° 9'10" |
| 49618 | 11 | 10° 37'4" | 6° 3'75" | 49690 | 31 | 8° 2'63" | 7° 24'6" | 49762 | 10 | 6° 3'31" | 8° 0'65" | 49834 | 18 | 8° 8'04" | 9° 5'76" | 49906 | 39 | 10° 8'04" | 10° 9'96" |
| 49619 | 10 | 10° 45'7" | 6° 1'74" | 49691 | 9 | 8° 3'26" | 7° 54'2" | 49763 | 16 | 6° 3'62" | 8° 1'70" | 49835 | 10 | 8° 8'60" | 9° 2'08" | 49907 | 14 | 10° 8'29" | 10° 7'73" |
| 49620 | 10 | 10° 48'5" | 6° 3'22" | 49692 | 8 | 8° 5'56" | 7° 31'2" | 49764 | 28 | 7° 1'72" | 8° 0'24" | 49836 | 17 | 9° 1'54" | 9° 8'90" | 49908 | 27 | 10° 8'74" | 10° 34'6" |
| 49621 | 12 | 10° 48'6" | 6° 3'42" | 49693 | 10 | 8° 9'85" | 7° 77'0" | 49765 | 8 | 7° 2'70" | 8° 0'94" | 49837 | 19 | 9° 4'22" | 9° 1'62" | 49909 | 10 | 10° 8'75" | 10° 5'95" |
| 49622 | 33 | 10° 6'21" | 6° 4'00" | 49694 | 9 | 9° 0'85" | 7° 1'02" | 49766 | 12 | 7° 3'35" | 8° 0'62" | 49838 | 42 | 9° 8'35" | 9° 3'00" | 49910 | 10 | 11° 1'25" | 10° 1'61" |
| 49623 | 35 | 10° 8'74" | 6° 8'78" | 49695 | 27 | 9° 0'97" | 7° 8'81" | 49767 | 10 | 7° 7'78" | 8° 5'70" | 49839 | 10 | 10° 0'25" | 9° 3'39" | 49911 | 16 | 11° 3'30" | 10° 1'15" |
| 49624 | 12 | 11° 1'54" | 6° 5'82" | 49696* | 36 | 9° 7'44" | 7° 7'98" | 49768 | 15 | 8° 0'83" | 8° 5'98" | 49840 | 24 | 10° 3'90" | 9° 7'40" | 49912 | 19 | 12° 2'86" | 10° 4'41" |
| 49625 | 9 | 11° 2'36" | 6° 7'49" | 49697 | 10 | 10° 0'54" | 7° 0'48" | 49769 | 13 | 8° 6'68" | 8° 2'36" | 49841 | 10 | 10° 4'38" | 9° 4'36" | 49913 | 90 | 12° 5'82" | 10° 7'14" |
| 49626 | 31 | 11° 3'76" | 6° 4'76" | 49698 | 21 | 10° 34'6" | 7° 9'33" | 49770 | 33 | 8° 6'84" | 8° 9'43" | 49842 | 10 | 10° 5'49" | 9° 5'18" | 49914 | 41 | 12° 6'20" | 10° 5'47" |
| 49627* | 84 | 11° 5'66" | 6° 7'86" | 49699 | 22 | 10° 39'6" | 7° 39'4" | 49771 | 8 | 8° 8'55" | 8° 7'92" | 49843 | 17 | 10° 6'70" | 9° 8'00" | 49915 | 10 | 12° 8'48" | 10° 24'6" |
| 49628 | 10 | 11° 6'56" | 6° 1'38" | 49700 | 26 | 10° 5'31" | 7° 7'00" | 49772 | 23 | 8° 9'10" | 8° 2'86" | 49844 | 25 | 10° 9'36" | 9° 5'57" | 49916 | 13 | 13° 0'78" | 10° 5'38" |
| 49629 | 19 | 12° 6'11" | 6° 1'64" | 49701 | 12 | 10° 5'74" | 7° 3'80" | 49773 | 23 | 9° 0'12" | 8° 7'72" | 49845 | 30 | 11° 8'43" | 9° 6'51" | 49917 | 10 | 13° 1'29" | 10° 3'66" |
| 49630 | 10 | 12° 8'66" | 6° 6'64" | 49702 | 10 | 10° 6'40" | 7° 9'54" | 49774 | 8 | 9° 2'36" | 8° 9'63" | 49846 | 10 | 12° 5'44" | 9° 6'07" | 49918* | 36 | 13° 1'47" | 10° 3'00" |
| 49631 | 9 | 13° 1'44" | 6° 2'70" | 49703 | 8 | 10° 6'90" | 7° 9'85" | 49775 | 8 | 9° 3'06" | 8° 7'53" | 49847 | 28 | 12° 3'92" | 9° 0'14" | 49919 | 8 | 13° 1'34" | 10° 0'11" |
| 49632 | 19 | 13° 2'06" | 6° 9'34" | 49704 | 10 | 10° 7'28" | 7° 8'37" | 49776 | 23 | 10° 44'9" | 8° 3'54" | 49848* | 53 | 12° 9'26" | 9° 5'94" | 49920 | 16 | 14° 5'82" | 10° 0'94" |
| 49633 | 20 | 13° 3'17" | 6° 4'19" | 49705 | 13 | 10° 8'58" | 7° 1'00" | 49777 | 9 | 10° 8'16" | 8° 4'70" | 49849 | 13 | 12° 9'40" | 9° 7'99" | 49921 | 10 | 14° 6'36" | 10° 0'84" |
| 49634 | 23 | 13° 7'08" | 6° 8'76" | 49706 | 8 | 11° 0'48" | 7° 0'66" | 49778 | 27 | 11° 3'50" | 8° 7'94" | 49850 | 31 | 16° 6'88" | 9° 5'06" | 49922 | 18 | 15° 2'66" | 10° 6'24" |
| 49635 | 30 | 13° 7'68" | 6° 6'43" | 49707 | 8 | 11° 1'35" | 7° 0'58" | 49779 | 9 | 11° 6'00" | 8° 5'18" | 49851 | 32 | 17° 5'39" | 9° 7'85" | 49923 | 11 | 16° 8'06" | 10° 9'58" |
| 49636* | 40 | 14° 0'70" | 6° 9'50" | 49708 | 21 | 11° 3'52" | 7° 0'26" | 49780 | 11 | 12° 8'28" | 8° 7'02" | 49852 | 27 | 18° 21'0" | 9° 7'26" | 49924 | 13 | 17° 5'88" | 10° 0'17" |
| 49637 | 10 | 14° 0'76" | 6° 3'74" | 49709 | 12 | 11° 6'41" | 7° 5'35" | 49781 | 33 | 13° 1'00" | 8° 6'30" | 49853 | 33 | 19° 0'14" | 9° 2'50" | 49925 | 16 | 18° 7'46" | 10° 0'34" |
| 49638 | 10 | 15° 5'19" | 6° 3'18" | 49710 | 16 | 11° 7'16" | 7° 54'8" | 49782 | 23 | 13° 7'06" | 8° 7'58" | 49854 | 10 | 20° 49'3" | 9° 5'12" | 49926 | 22 | 18° 8'74" | 10° 7'25" |
| 49639 | 25 | 15° 6'70" | 6° 8'16" | 49711 | 11 | 11° 8'02" | 7° 7'36" | 49783 | 10 | 13° 8'24" | 8° 8'03" | 49855 | 17 | 21° 4'04" | 9° 7'86" | 49927 | 26 | 19° 8'46" | 10° 5'63" |
| 49640 | 12 | 15° 8'48" | 6° 1'78" | 49712 | 11 | 11° 8'65" | 7° 5'32" | 49784 | 13 | 14° 7'66" | 8° 2'33" | 49856 | 23 | 24° 1'24" | 9° 7'50" | 49928 | 9 | 21° 2'62" | 10° 34'40" |
| 49641 | 15 | 15° 8'77" | 6° 44'0" | 49713 | 9 | 11° 8'87" | 7° 1'88" | 49785* | 78 | 15° 0'05" | 8° 6'40" | 49857 | 9 | 25° 7'97" | 9° 8'80" | 49929 | 8 | 23° 1'48" | 10° 7'56" |
| 49642 | 11 | 16° 0'62" | 6° 7'81" | 49714 | 18 | 12° 1'62" | 7° 9'86" | 49786* | 53 | 15° 0'50" | 8° 6'07" | 49858 | 10 | 0° 1'26" | 10° 7'92" | 49930 | 10 | 24° 2'16" | 10° 0'84" |
| 49643 | 12 | 16° 0'80" | 6° 7'50" | 49715 | 11 | 12° 2'36" | 7° 8'02" | 49787 | 21 | 15° 6'76" | 8° 8'16" | 49859 | 8 | 0° 2'88" | 10° 4'20" | 49931 | 17 | 24° 2'68" | 10° 0'12" |
| 49644 | 25 | 16° 3'60" | 6° 1'00" | 49716 | 9 | 12° 9'90" | 7° 8'36" | 49788 | 11 | 16° 3'24" | 8° 5'02" | 49860 | 8 | 0° 3'72" | 10° 1'96" | 49932 | 15 | 24° 8'50" | 10° 5'32" |
| 49645 | 14 | 16° 5'37" | 6° 2'39" | 49717 | 9 | 13° 0'09" | 7° 8'78" | 49789 | 8 | 17° 1'67" | 8° 2'88" | 49861 | 23 | 0° 3'76" | 10° 7'99" | 49933 | 10 | 0° 1'69" | 11° 6'38" |
| 49646 | 22 | 16° 7'07" | 6° 84'3" | 49718 | 12 | 13° 3'58" | 7° 42'4" | 49790 | 12 | 17° 1'17" | 8° 8'72" | 49862 | 11 | 0° 3'93" | 10° 4'30" | 49934 | 8 | 0° 4'18" | 11° 4'60" |
| 49647 | 10 | 16° 9'58" | 6° 0'80" | 49719 | 20 | 13° 7'67" | 7° 2'32" | 49791 | 27 | 17° 2'04" | 8° 3'59" | 49863 | 21 | 0° 5'86" | 10° 7'18" | 49935 | 11 | 0° 4'58" | 11° 3'78" |
| 49648 | 22 | 17° 5'37" | 6° 7'22" | 49720 | 11 | 14° 8'07" | 7° 1'11" | 49792 | 24 | 17° 8'86" | 8° 1'05" | 49864* | 32 | 0° 8'52" | 10° 6'06" | 49936 | 8 | 0° 8'26" | 11° 7'96" |
| 49649 | 34 | 17° 8'26" | 6° 3'30" | 49721* | 53 | 15° 8'00" | 7° 3'52" | 49793 | 19 | 18° 7'14" | 8° 5'78" | 49865 | 35 | 1° 2'48" | 10° 8'33" | 49937 | 26 | 0° 9'50" | 11° 14'40" |
| 49650* | 32 | 17° 9'14" | 6° 8'56" | 49722 | 10 | 16° 5'92" | 7° 0'04" | 49794 | 9 | 19° 2'92" | 8° 2'21" | 49866 | 46 | 1° 28'4" | 10° 8'08" | 49938 | 10 | 0° 9'96" | 11° 0'50" |
| 49651 | 26 | 18° 1'02" | 6° 8'72" | 49723 | 35 | 17° 0'66" | 7° 4'59" | 49795* | 43 | 19° 3'75" | 8° 3'56" | 49867 | 38 | 1° 3'06" | 10° 8'22" | 49939 | 30 | 1° 0'18" | 11° 0'00" |
| 49652 | 10 | 18° 1'66" | 6° 5'84" | 49724 | 12 | 18° 1'84" | 7° 4'86" | 49796 | 9 | 19° 7'06" | 8° 5'16" | 49868 | 60 | 1° 6'05" | 10° 2'73" | 49940 | 10 | 2° 0'12" | 11° 5'00" |
| 49653 | 15 | 18° 6'04" | 6° 5'60" | 49725 | 8 | 18° 2'62" | 7° 45'2" | 49797 | 10 | 19° 8'32" | 8° 6'94" | 49869* | 29 | 1° 9'43" | 10° 2'74" | 49941 | 16 | 2° 4'34" | 11° 9'23" |
| 49654 | 23 | 18° 6'65" | 6° 6'39" | 49726 | 8 | 18° 49'3" | 7° 26'9" | 49798 | 26 | 20° 2'76" | 8° 0'28" | 49870 | 16 | 2° 34'6" | 10° 5'65" | 49942 | 35 | 2° 48'3" | 11° 7'24" |
| 49655 | 13 | 19° 3'07" | 6° 4'15" | 49727 | 13 | 19° 6'35" | 7° 1'08" | 49799 | 12 | 20° 5'94" | 8° 5'38" | 49871 | 13 | 3° 2'28" | 10° 5'64" | 49943 | 12 | 2° 6'60" | 11° 2'01" |
| 49656 | 9 | 19° 4'45" | 6° 5'38" | 49728 | 10 | 19° 7'64" | 7° 3'50" | 49800 | 22 | 21° 3'71" | 8° 5'21" | 49872 | 10 | 3° 3'34" | 10° 3'81" | 49944 | 10 | 2° 6'64" | 11° 0'22" |
| 49657 | 10 | 19° 5'09" | 6° 8'53" | 49729 | 9 | 21° 8'66" | 7° 1'30" | 49801 | 37 | 21° 4'21" | 8° 6'00" | 49873 | 13 | 3° 3'86" | 10° 3'84" | 49945 | 10 | 2° 9'50" | 11° 6'27" |
| 49658 | 10 | 19° 5'84" | 6° 5'57" | 49730 | 21 | 22° 4'96" | 7° 0'02" | 49802 | 12 | 22° 0'28" | 8° 8'27" | 49874 | 26 | 3° 4'31" | 10° 5'84" | 49946 | 9 | 3° 1'66" | 11° 6'35" |
| 49659 | 32 | 20° 0'01" | 6° 8'92" | 49731 | 34 | 22° 6'71" | 7° 4'46" | 49803 | 10 | 0° 5'75" | 9° 9'11" | 49875 | 10 | 3° 8'94" | 10° 3'68" | 49947 | 16 | 3° 1'06" | 11° 3'77" |
| 49660 | 12 | 20° 0'34" | 6° 4'56" | 49732 | 10 | 22° 6'76" | 7° 0'12" | 49804 | 9 | 0° 7'36" | 9° 5'98" | 49876 | 30 | 3° 9'30" | 10° 4'16" | 49948 | 11 | 3° 2'81" | 11° 9'30" |
| 49661 | 26 | 20° 9'09" | 6° 1'28" | 49733* | 41 | 23° 2'25" | 7° 544" | 49805 | 18 | 0° 7'47" | 9° 7'26" | 49877 | 18 | 3° 9'53" | 10° 7'29" | 49949 | 32 | 3° 3'18" | 11° 7'16" |
| 49662 | 10 | 21° 2'04" | 6° 0'28" | 49734 | 12 | 23° 9'57" | 7° 7'02" | 49806 | 32 | 2° 2'65" | 9° 9'06" | 49878* | 35 | 3° 9'76" | 10° 4'96" | 49950 | 9 | 3° 3'68" | 11° 3'78" |
| 49663 | 10 | 21° 4'86" | 6° 8'72" | 49735 | 12 | 25° 2'48" | 7° 1'20" | 49807 | 15 | 3° 3'78" | 9° 3'04" | 49879 | 10 | 4° 1'26" | 10° 7'02" | 49951 | 12 | 3° 7'82" | 11° 8'10" |
| 49664 | 16 | 21° 5'09" | 6° 7'80" | 49736 | 12 | 25° 5'05" | 7° 3'80" | 49808 | 12 | 3° 7'22" | 9° 0'46" | 49880 | 11 | 4° 3'36" | 10° 1'34" | 49952 | 8 | 3° 9'76" | 11° 8'45" |
| 49665 | 21 | 22° 6'38" | 6° 3'61" | 49737 | 14 | 25° 5'70" | 7° 5'96" | 49809 | 10 | 3° 7'25" | 9° 4'16" | 49881 | 10 | 4° 3'94" | 10° 7'31" | 49953 | 27 | 3° 9'92" | 11° 6'00" |
| 49666* | 36 | 22° 9'12" | 6° 4'82" | 49738 | 9 | 0° 7'00" | 8° 2'25" | 49810 | 19 | 3° 8'36" | 9° 4'99" | 49882 | 11 | 4° 5'90" | 10° 6'86" | 49954 | 9 | 5° 7'06" | 11° 4'24" |
| 49667 | 10 | 23° 6'00" | 6° 3'09" | 49739 | 32 | 1° 2'24" | 8° 7'22" | 49811 | 20 | 3° 9'54" | 9° 1'96" | 49883 | 8 | 4° 6'30" | 10° 8'07" | 49955 | 8 | 5° 8'90" | 11° 0'08" |
| 49668 | 13 | 24° 6'10" | 6° 7'73" | 49740 | 9 | 1° 6'51" | 8° 8'22" | 49812 | 10 | 4° 4'62" | 9° 7'20" | 49884 | 9 | 4° 6'59" | 10° 3'23" | 49956 | 11 | 6° 4'86" | 11° 0'46" |
| 49669 | 11 | 25° 6'10" | 6° 5'70" | 49741 | 35 | 1° 8'52" | 8° 4'01" | 49813 | 23 | 4° 5'55" | 9° 4'74" | 49885 | 24 | 4° 9'66" | 10° 5'21" | 49957 | 12 | 7° 5'86" | 11° 6'64" |
| 49670 | 9 | 0° 1'84" | 7° 3'96" | 49742 | 12 | 2° 0'74" | 8° 9'46" | 49814 | 8 | 4° 7'36" | 9° 2'40" | 49886 | 8 | 4° 9'70" | 10° 2'34" | 49958 | 10 | 7° 6'04" | 11° 5'49" |
| 49671 | 10 | 0° 5'83" | 7° 9'26" | 49743 | 15 | 2° 5'12" | 8° 7'09" | 49815 | 18 | 5° 0'36" | 9° 7'07" | 49887 | 20 | 5° 3'86" | 10° 8'84" | 49959 | 8 | 7° 9'48" | 11° 4'50" |
| 49672 | 10 | 0° 6'65" | 7° 1'28" | 49744 | 11 | 2° 7'35" | 8° 3'04" | 49816 | 28 | 5° 1'32" | 9° 0'65" | 49888 | 15 | 5° 4'98" | 10° 7'82" | 49960 | 9 | 8° 0'23" | 11° 8'75" |
| 49673 | 11 | 0° 8'44" | 7° 2'03" | 49745 | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
| 49976 | 9 | 17-490 | 11-830 | 50048 | 24 | 17-555 | 12-750 | 50120 | 15 | 22-037 | 13-030 | 50192 | 10 | 2-831 | 15-832 | 50264 | 12 | 17-105 | 16-038 |
| 49977 | 20 | 17-776 | 11-056 | 50049 | 28 | 18-354 | 12-386 | 50121 | 9 | 22-513 | 13-051 | 50193 | 12 | 3-258 | 15-192 | 50265 | 15 | 18-040 | 16-676 |
| 49978 | 11 | 19-466 | 11-237 | 50050 | 10 | 19-039 | 12-886 | 50122 | 29 | 22-726 | 13-459 | 50194 | 12 | 3-768 | 15-838 | 50266 | 10 | 20-344 | 16-278 |
| 49979 | 14 | 19-776 | 11-002 | 50051 | 8 | 21-253 | 12-876 | 50123 | 10 | 0-292 | 14-496 | 50195 | 8 | 3-775 | 15-680 | 50267 | 10 | 20-865 | 16-957 |
| 49980 | 10 | 20-123 | 11-420 | 50052 | 33 | 21-506 | 12-834 | 50124 | 18 | 0-732 | 14-034 | 50196 | 29 | 3-834 | 15-676 | 50268 | 13 | 20-952 | 16-155 |
| 49981 | 32 | 22-274 | 11-055 | 50053 | 18 | 21-873 | 12-526 | 50125 | 10 | 0-820 | 14-612 | 50197 | 10 | 3-922 | 15-390 | 50269 | 31 | 20-970 | 16-470 |
| 49982 | 80 | 22-354 | 11-524 | 50054 | 10 | 22-503 | 12-626 | 50126 | 9 | 1-101 | 14-504 | 50198 | 31 | 4-006 | 15-957 | 50270 | 46 | 22-416 | 16-337 |
| 49983 | 19 | 22-640 | 11-654 | 50055 | 24 | 23-280 | 12-776 | 50127 | 9 | 1-167 | 14-240 | 50199 | 42 | 4-356 | 15-706 | 50271 | 11 | 23-133 | 16-368 |
| 49984 | 30 | 24-140 | 11-354 | 50056 | 18 | 23-724 | 12-876 | 50128 | 26 | 1-276 | 14-598 | 50200 | 13 | 4-514 | 15-962 | 50272 | 10 | 23-792 | 16-412 |
| 49985 | 20 | 0-563 | 12-502 | 50057 | 22 | 24-799 | 12-352 | 50129 | 12 | 1-285 | 14-858 | 50201 | 42 | 4-726 | 15-466 | 50273 | 10 | 23-820 | 16-083 |
| 49986 | 11 | 0-860 | 12-004 | 50058 | 11 | 24-800 | 12-382 | 50130 | 22 | 1-325 | 14-362 | 50202 | 10 | 4-994 | 15-716 | 50274 | 10 | 23-922 | 16-554 |
| 49987 | 9 | 1-094 | 12-286 | 50059 | 11 | 0-072 | 13-056 | 50131 | 9 | 1-474 | 14-612 | 50203 | 20 | 5-508 | 15-506 | 50275 | 17 | 24-458 | 16-666 |
| 49988 | 42 | 1-516 | 12-906 | 50060 | 10 | 0-515 | 13-790 | 50132 | 17 | 1-556 | 14-181 | 50204 | 13 | 5-704 | 15-644 | 50276 | 14 | 24-986 | 16-135 |
| 49989 | 13 | 1-550 | 12-510 | 50061 | 28 | 1-150 | 13-560 | 50133 | 37 | 1-715 | 14-388 | 50205 | 13 | 6-178 | 15-748 | 50277 | 10 | 25-793 | 16-518 |
| 49990 | 12 | 1-735 | 12-856 | 50062 | 10 | 1-228 | 13-922 | 50134 | 10 | 1-780 | 14-700 | 50206 | 35 | 6-388 | 15-396 | 50278 | 34 | 0-188 | 17-454 |
| 49991 | 9 | 2-094 | 12-473 | 50063 | 10 | 1-262 | 13-920 | 50135 | 9 | 1-987 | 14-474 | 50207 | 21 | 7-007 | 15-738 | 50279 | 8 | 1-665 | 17-569 |
| 49992 | 29 | 2-200 | 12-848 | 50064 | 11 | 1-305 | 13-082 | 50136 | 9 | 2-404 | 14-680 | 50208 | 10 | 7-662 | 15-789 | 50280 | 24 | 1-724 | 17-304 |
| 49993 | 10 | 2-215 | 12-750 | 50065 | 9 | 1-381 | 13-766 | 50137 | 17 | 2-976 | 14-643 | 50209 | 10 | 7-703 | 15-424 | 50281 | 9 | 2-315 | 17-798 |
| 49994 | 12 | 2-446 | 12-836 | 50066 | 10 | 1-586 | 13-166 | 50138 | 10 | 3-579 | 14-904 | 50210 | 10 | 7-839 | 15-064 | 50282 | 28 | 2-685 | 17-510 |
| 49995 | 27 | 2-498 | 12-615 | 50067 | 29 | 1-644 | 13-692 | 50139 | 20 | 3-796 | 14-780 | 50211 | 12 | 7-869 | 15-496 | 50283 | 18 | 3-268 | 17-646 |
| 49996 | 11 | 2-896 | 12-034 | 50068 | 12 | 1-814 | 13-842 | 50140 | 11 | 4-124 | 14-606 | 50212 | 33 | 8-218 | 15-607 | 50284 | 8 | 3-500 | 17-049 |
| 49997 | 36 | 3-074 | 12-220 | 50069 | 19 | 1-820 | 13-877 | 50141 | 9 | 4-411 | 14-188 | 50213 | 10 | 8-716 | 15-407 | 50285 | 31 | 3-588 | 17-806 |
| 49998 | 9 | 3-115 | 12-514 | 50070 | 13 | 1-954 | 13-122 | 50142 | 11 | 5-005 | 14-488 | 50214 | 22 | 8-757 | 15-178 | 50286 | 10 | 3-684 | 17-396 |
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| 50023 | 8 | 7-240 | 12-836 | 50095 | 18 | 6-272 | 13-516 | 50167 | 10 | 17-191 | 14-687 | 50239 | 20 | 2-382 | 16-563 | 50311 | 10 | 24-614 | 17-056 |
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| | | | | | | | | | | | | | | | | | | | |
|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|-------|----|--------|--------|--------|----|--------|-------|
| 50336 | 8 | 13°44' | 18°02' | 50408 | 10 | 1°938 | 21°198 | 50480 | 10 | 0°956 | 23°813 | 50552 | 33 | 22°757 | 25°476 | 50645 | 20 | 11°142 | 2°504 |
| 50337 | 8 | 14°840 | 18°326 | 50409 | 16 | 2°190 | 21°257 | 50481 | 14 | 1°524 | 23°854 | 50553 | 13 | 23°206 | 25°434 | 50646 | 46 | 14°457 | 2°203 |
| 50338* | 38 | 15°720 | 18°436 | 50410 | 12 | 3°058 | 21°524 | 50482 | 15 | 2°226 | 23°834 | 50554 | 10 | 23°284 | 25°149 | 50647 | 19 | 18°178 | 2°456 |
| 50339 | 15 | 15°802 | 18°582 | 50411 | 23 | 3°810 | 21°597 | 50483 | 12 | 4°601 | 23°772 | 50555 | 37 | 24°830 | 25°676 | 50648 | 20 | 24°382 | 2°750 |
| 50340 | 9 | 15°080 | 18°500 | 50412 | 11 | 4°134 | 21°350 | 50484 | 30 | 4°715 | 23°833 | | | | | 50649 | 32 | 0°984 | 3°028 |
| 50341 | 20 | 17°044 | 18°648 | 50413 | 25 | 4°166 | 21°416 | 50485 | 39 | 4°746 | 23°891 | | | | | 50650 | 13 | 1°146 | 3°274 |
| 50342 | 13 | 17°185 | 18°250 | 50414 | 18 | 4°587 | 21°716 | 50486 | 13 | 4°889 | 23°727 | | | | | 50651 | 23 | 1°556 | 3°088 |
| 50343 | 10 | 17°336 | 18°206 | 50415 | 11 | 4°637 | 21°936 | 50487 | 11 | 5°054 | 23°974 | | | | | 50652 | 23 | 3°879 | 3°544 |
| 50344 | 12 | 17°844 | 18°196 | 50416 | 12 | 4°828 | 21°748 | 50488 | 27 | 5°440 | 23°004 | | | | | 50653 | 16 | 5°839 | 3°080 |
| 50345 | 12 | 19°591 | 18°158 | 50417 | 10 | 5°168 | 21°894 | 50489* | 46 | 5°640 | 23°994 | | | | | 50654 | 11 | 6°430 | 3°634 |
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| 50347 | 16 | 22°046 | 18°166 | 50419 | 13 | 5°406 | 21°100 | 50491 | 40 | 7°252 | 23°074 | | | | | 50656 | 14 | 7°750 | 3°323 |
| 50348 | 12 | 23°100 | 18°802 | 50420 | 17 | 6°980 | 21°104 | 50492 | 15 | 8°684 | 23°140 | | | | | 50657 | 13 | 14°492 | 3°122 |
| 50349 | 12 | 23°233 | 18°600 | 50421 | 15 | 7°931 | 21°554 | 50493 | 8 | 9°520 | 23°467 | | | | | 50658 | 14 | 15°020 | 3°607 |
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| 50359 | 11 | 3°152 | 19°178 | 50431 | 10 | 12°233 | 21°378 | 50503 | 23 | 21°520 | 23°896 | | | | | 50668 | 23 | 1°309 | 4°706 |
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| 50361 | 17 | 4°066 | 19°209 | 50433 | 9 | 14°524 | 21°552 | 50505 | 8 | 0°722 | 24°948 | | | | | 50670 | 17 | 9°300 | 4°426 |
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| 50364 | 39 | 10°166 | 19°607 | 50436 | 13 | 21°556 | 21°327 | 50508 | 20 | 3°934 | 24°896 | | | | | 50673 | 16 | 10°770 | 4°174 |
| 50365 | 32 | 15°444 | 19°942 | 50437 | 8 | 21°720 | 21°246 | 50509 | 9 | 3°534 | 24°119 | | | | | 50674 | 12 | 13°352 | 4°730 |
| 50366 | 12 | 18°059 | 19°248 | 50438 | 33 | 23°175 | 21°145 | 50510 | 10 | 4°100 | 24°242 | | | | | 50675 | 15 | 15°050 | 4°835 |
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| 50375 | 26 | 23°116 | 19°510 | 50447 | 10 | 2°860 | 22°398 | 50519 | 9 | 7°876 | 24°398 | | | | | 50684 | 26 | 3°750 | 5°024 |
| 50376 | 10 | 23°261 | 19°034 | 50448 | 25 | 3°035 | 22°305 | 50520 | 10 | 8°098 | 24°419 | | | | | 50685 | 15 | 5°162 | 5°504 |
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| 50382 | 32 | 4°044 | 20°642 | 50454 | 8 | 6°346 | 22°123 | 50526 | 16 | 19°458 | 24°593 | | | | | 50691 | 32 | 15°801 | 5°264 |
| 50383 | 12 | 4°201 | 20°393 | 50455* | 38 | 6°055 | 22°852 | 50527 | 13 | 20°298 | 24°438 | | | | | 50692* | 39 | 15°934 | 5°230 |
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| 50385 | 22 | 5°943 | 20°284 | 50457 | 13 | 6°790 | 22°770 | 50529 | 15 | 21°534 | 24°086 | | | | | 50694 | 16 | 17°236 | 5°806 |
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| 50387 | 8 | 6°706 | 20°685 | 50459 | 26 | 9°096 | 22°856 | 50531 | 16 | 22°374 | 24°372 | | | | | 50696 | 23 | 22°831 | 5°954 |
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| | | | | | | | | | | | | | | | | | | | |
|--------|-----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|-----|--------|-------|
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| | | | | | | | | | | | | | | | | | | | |
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| 51219 | 10 | 22-951 | 11-918 | 51291* | 78 | 6-030 | 15-308 | 51363 | 19 | 3-560 | 18-352 | 51435 | 15 | 19-510 | 22-984 | | | | |
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| 51224* | 24 | 4-923 | 12-020 | 51296 | 12 | 6-818 | 15-408 | 51368 | 10 | 12-880 | 18-214 | 51440 | 12 | 2-650 | 23-492 | | | | |
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| 51241 | 32 | 4-015 | 13-907 | 51313* | 76 | 21-546 | 15-098 | 51385 | 10 | 22-476 | 19-356 | 51457 | 10 | 12-377 | 24-138 | | | | |
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R.A. 18^h 52^m

Plate 1242; 1918 July 11.

Provisional Constants.

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| 52289 | 12 | 11°157 | 3°686 | 52361 | 16 | 22°623 | 8°871 | 52433 | 20 | 1°090 | 15°304 | 52505 | 12 | 12°286 | 21°761 | 52577 | 14 | 3°156 | 25°141 |
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| 52293 | 30 | 20°223 | 3°261 | 52365 | 11 | 0°925 | 9°246 | 52437 | 18 | 13°757 | 15°997 | 52509* | 45 | 20°776 | 21°692 | 52581 | 9 | 4°040 | 25°500 |
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| 52295 | 14 | 24°466 | 3°562 | 52367 | 18 | 1°647 | 9°072 | 52439 | 23 | 10°552 | 15°712 | 52511 | 28 | 23°504 | 21°955 | 52583 | 50 | 6°982 | 25°891 |
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| 52298 | 12 | 4°900 | 4°312 | 52370 | 36 | 14°404 | 9°638 | 52442 | 17 | 1°658 | 16°702 | 52514* | 30 | 0°728 | 22°782 | 52586 | 27 | 9°188 | 25°152 |
| 52299 | 17 | 12°048 | 4°286 | 52371 | 18 | 18°672 | 9°748 | 52443 | 20 | 5°686 | 16°416 | 52515 | 38 | 0°842 | 22°648 | 52587 | 22 | 9°977 | 25°170 |
| 52300 | 20 | 14°260 | 4°978 | 52372 | 21 | 19°466 | 9°532 | 52444 | 27 | 6°910 | 16°322 | 52516 | 35 | 1°804 | 22°518 | 52588 | 30 | 12°725 | 25°102 |
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| 52303 | 32 | 19°124 | 4°410 | 52375 | 22 | 1°082 | 10°544 | 52447 | 18 | 17°288 | 16°130 | 52519 | 27 | 3°938 | 22°448 | 52591 | 10 | 19°222 | 25°732 |
| 52304 | 17 | 21°594 | 4°890 | 52376 | 11 | 1°566 | 10°303 | 52448 | 28 | 19°039 | 16°928 | 52520 | 31 | 4°309 | 22°782 | 52592 | 12 | 22°422 | 25°774 |
| 52305 | 29 | 23°911 | 4°528 | 52377 | 27 | 1°832 | 10°706 | 52449 | 20 | 20°468 | 16°659 | 52521 | 14 | 5°455 | 22°270 | 52593 | 23 | 25°240 | 25°320 |
| 52306 | 16 | 24°232 | 4°730 | 52378 | 10 | 2°844 | 10°860 | 52450 | 10 | 22°976 | 16°552 | 52522 | 24 | 6°038 | 22°490 | 52594 | 18 | 25°863 | 25°580 |
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| 52309 | 12 | 1°312 | 5°670 | 52381* | 81 | 8°432 | 10°470 | 52453 | 28 | 2°742 | 17°641 | 52525* | 41 | 12°788 | 22°254 | | | | |
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| 52311 | 10 | 4°450 | 5°802 | 52383 | 11 | 19°381 | 10°914 | 52455 | 20 | 10°053 | 17°307 | 52527 | 11 | 23°809 | 22°132 | | | | |
| 52312 | 32 | 5°688 | 5°327 | 52384 | 11 | 21°380 | 10°724 | 52456 | 12 | 11°099 | 17°982 | 52528 | 11 | 25°662 | 22°308 | | | | |
| 52313 | 12 | 6°060 | 5°135 | 52385 | 14 | 23°322 | 10°231 | 52457* | 61 | 17°222 | 17°202 | 52529 | 20 | 25°920 | 22°130 | | | | |
| 52314 | 30 | 14°136 | 5°563 | 52386 | 14 | 25°084 | 10°384 | 52458 | 11 | 18°822 | 17°620 | 52530 | 39 | 0°321 | 23°171 | | | | |
| 52315 | 31 | 17°297 | 5°768 | 52387 | 62 | 0°352 | 11°401 | 52459* | 39 | 18°046 | 17°498 | 52531* | 52 | 1°702 | 23°318 | | | | |
| 52316 | 21 | 18°820 | 5°740 | 52388 | 31 | 8°911 | 11°209 | 52460 | 11 | 20°834 | 17°405 | 52532 | 19 | 3°909 | 23°442 | | | | |
| 52317 | 22 | 19°095 | 5°762 | 52389 | 23 | 12°572 | 11°044 | 52461 | 40 | 23°758 | 17°629 | 52533 | 14 | 4°100 | 23°902 | | | | |
| 52318 | 16 | 24°302 | 5°673 | 52390 | 26 | 15°164 | 11°330 | 52462 | 10 | 24°963 | 17°872 | 52534 | 12 | 4°580 | 23°200 | | | | |
| 52319* | 37 | 0°715 | 6°754 | 52391 | 20 | 15°262 | 11°776 | 52463 | 32 | 3°153 | 18°707 | 52535 | 14 | 5°066 | 23°185 | | | | |
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| 52321 | 11 | 1°276 | 6°154 | 52393 | 24 | 20°744 | 11°496 | 52465 | 17 | 7°984 | 18°620 | 52537 | 35 | 5°842 | 23°130 | | | | |
| 52322 | 38 | 6°769 | 6°063 | 52394 | 28 | 20°964 | 11°008 | 52466 | 30 | 10°816 | 18°602 | 52538 | 12 | 8°588 | 23°604 | | | | |
| 52323 | 25 | 9°870 | 6°038 | 52395 | 27 | 21°338 | 11°054 | 52467 | 31 | 13°576 | 18°782 | 52539 | 39 | 9°618 | 23°428 | | | | |
| 52324 | 23 | 15°388 | 6°305 | 52396 | 14 | 22°000 | 11°957 | 52468 | 10 | 14°078 | 18°812 | 52540 | 36 | 13°047 | 23°607 | | | | |
| 52325 | 24 | 15°470 | 6°536 | 52397 | 11 | 24°196 | 11°368 | 52469 | 10 | 15°506 | 18°433 | 52541 | 28 | 21°032 | 23°731 | | | | |
| 52326 | 10 | 16°324 | 6°812 | 52398 | 18 | 4°618 | 12°257 | 52470 | 25 | 17°257 | 18°179 | 52542 | 9 | 22°848 | 23°818 | | | | |
| 52327 | 23 | 16°881 | 6°190 | 52399 | 27 | 5°975 | 12°518 | 52471 | 18 | 17°306 | 18°907 | 52543* | 40 | 23°354 | 23°633 | | | | |
| 52328 | 15 | 20°082 | 6°787 | 52400 | 13 | 6°706 | 12°513 | 52472 | 10 | 20°422 | 18°388 | 52544 | 16 | 24°247 | 23°102 | | | | |
| 52329 | 20 | 23°007 | 6°335 | 52401 | 11 | 8°012 | 12°919 | 52473* | 52 | 21°906 | 18°047 | 52545 | 21 | 25°373 | 23°770 | | | | |
| 52330 | 15 | 24°346 | 6°446 | 52402 | 24 | 12°474 | 12°884 | 52474 | 14 | 22°480 | 18°700 | 52546 | 10 | 1°937 | 24°662 | | | | |
| 52331* | 33 | 24°056 | 6°069 | 52403 | 33 | 14°019 | 12°380 | 52475* | 41 | 1°188 | 19°248 | 52547 | 20 | 2°594 | 24°288 | | | | |
| 52332 | 12 | 0°141 | 7°570 | 52404 | 12 | 14°232 | 12°399 | 52476 | 13 | 2°405 | 19°478 | 52548* | 39 | 3°068 | 24°198 | | | | |
| 52333 | 10 | 0°473 | 7°892 | 52405 | 15 | 18°038 | 12°193 | 52477 | 37 | 5°762 | 19°152 | 52549 | 25 | 3°572 | 24°161 | | | | |
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| 52335 | 14 | 2°750 | 7°928 | 52407 | 29 | 19°213 | 12°736 | 52479 | 28 | 11°574 | 19°228 | 52551 | 33 | 3°724 | 24°036 | | | | |
| 52336 | 11 | 2°859 | 7°432 | 52408 | 20 | 21°606 | 12°217 | 52480 | 29 | 13°623 | 19°018 | 52552 | 12 | 3°776 | 24°426 | | | | |
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| 52338 | 14 | 3°660 | 7°631 | 52410 | 21 | 25°118 | 12°448 | 52482 | 30 | 0°636 | 20°116 | 52554 | 9 | 3°855 | 24°802 | | | | |
| 52339 | 30 | 3°812 | 7°701 | 52411 | 10 | 23°80 | 13°080 | 52483 | 20 | 1°012 | 20°854 | 52555 | 23 | 3°994 | 24°062 | | | | |
| 52340 | 19 | 5°396 | 7°362 | 52412 | 21 | 3°034 | 13°026 | 52484 | 27 | 1°599 | 20°152 | 52556 | 10 | 4°224 | 24°065 | | | | |
| 52341 | 22 | 5°590 | 7°657 | 52413 | 11 | 3°290 | 13°853 | 52485 | 37 | 2°410 | 20°280 | 52557 | 34 | 4°421 | 24°398 | | | | |
| 52342 | 10 | 8°712 | 7°187 | 52414* | 52 | 5°870 | 13°642 | 52486 | 18 | 3°556 | 20°152 | 52558* | 40 | 4°418 | 24°093 | | | | |
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| 52344* | 31 | 12°075 | 7°090 | 52416 | 20 | 6°360 | 13°972 | 52488 | 13 | 10°812 | 20°258 | 52560 | 20 | 8°230 | 24°930 | | | | |
| 52345 | 10 | 13°474 | 7°560 | 52417 | 15 | 6°768 | 13°258 | 52489* | 31 | 14°752 | 20°866 | 52561 | 11 | 9°803 | 24°124 | | | | |
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| 52348 | 11 | 15°046 | 7°904 | 52420 | 20 | 8°946 | 13°058 | 52492 | 33 | 1°174 | 21°024 | 52564 | 18 | 15°289 | 24°042 | | | | |
| 52349* | 39 | 18°468 | 7°259 | 52421 | 11 | 9°201 | 13°500 | 52493 | 21 | 1°496 | 21°976 | 52565 | 11 | 16°493 | 24°722 | | | | |
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| 52351 | 10 | 2°183 | 8°798 | 52423 | 10 | 0°392 | 14°450 | 52495 | 10 | 2°155 | 21°725 | 52567* | 40 | 20°934 | 24°346 | | | | |
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| 52354* | 48 | 7°290 | 8°402 | 52426 | 19 | 2°506 | 14°186 | 52498* | 42 | 5°066 | 21°430 | 52570 | 13 | 21°4 | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|-------|-------|-----|--------|--------|-------|-----|--------|--------|-------|-----|--------|--------|-------|----|--------|--------|
| 52629 | 16 | 3-473 | 2-894 | 52701 | 10 | 14-400 | 6-945 | 52773 | 14 | 14-193 | 12-106 | 52845 | 19 | 14-908 | 17-607 | 52917 | 25 | 3-627 | 22-603 |
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| 52677 | 43 | 21-511 | 4-154 | 52749 | 20 | 25-022 | 10-628 | 52821 | 31 | 22-900 | 15-272 | 52893 | 72 | 13-150 | 20-108 | 52965 | 49 | 19-828 | 24-506 |
| 52678 | 36 | 22-800 | 4-170 | 52750 | 22 | 8-378 | 11-578 | 52822 | 25 | 23-540 | 15-481 | 52894 | 16 | 15-794 | 20-070 | 52966 | 63 | 21-230 | 24-072 |
| 52679 | 28 | 24-576 | 4-239 | 52751 | 12 | 8-806 | 11-573 | 52823 | 11 | 0-790 | 16-142 | 52895 | 14 | 16-050 | 20-166 | 52967 | 11 | 0-710 | 25-218 |
| 52680 | 47 | 24-016 | 4-823 | 52752 | 42 | 9-976 | 11-502 | 52824 | 46 | 3-684 | 16-704 | 52896 | 40 | 18-000 | 20-847 | 52968 | 30 | 2-988 | 25-801 |
| 52681 | 23 | 25-806 | 4-720 | 52753 | 37 | 10-804 | 11-648 | 52825 | 27 | 6-702 | 16-398 | 52897 | 26 | 18-906 | 20-680 | 52969 | 14 | 5-225 | 25-132 |
| 52682 | 27 | 1-110 | 5-020 | 52754 | 12 | 12-840 | 11-890 | 52826 | 13 | 7-204 | 16-408 | 52898 | 38 | 19-404 | 20-222 | 52970 | 19 | 6-785 | 25-462 |
| 52683 | 17 | 1-732 | 5-238 | 52755 | 10 | 15-056 | 11-406 | 52827 | 22 | 9-592 | 16-564 | 52899 | 42 | 20-476 | 20-838 | 52971 | 17 | 8-289 | 25-470 |
| 52684 | 29 | 4-142 | 5-702 | 52756 | 125 | 10-440 | 11-344 | 52828 | 19 | 9-951 | 16-160 | 52900 | 39 | 20-966 | 20-590 | 52972 | 49 | 13-250 | 25-264 |
| 52685 | 34 | 15-870 | 5-964 | 52757 | 62 | 17-808 | 11-216 | 52829 | 19 | 15-022 | 16-892 | 52901 | 17 | 25-987 | 20-944 | 52973 | 13 | 14-685 | 25-890 |
| 52686 | 30 | 16-962 | 5-640 | 52758 | 19 | 19-278 | 11-830 | 52830 | 13 | 16-714 | 16-182 | 52902 | 15 | 5-860 | 21-146 | 52974 | 19 | 15-444 | 25-511 |
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| 52688 | 16 | 23-924 | 5-660 | 52760 | 22 | 10-650 | 11-924 | 52832 | 20 | 20-628 | 16-512 | 52904 | 38 | 6-269 | 21-964 | 52976 | 13 | 19-541 | 25-860 |
| 52689 | 24 | 1-430 | 6-832 | 52761 | 33 | 19-847 | 11-820 | 52833 | 14 | 20-974 | 16-192 | 52905 | 21 | 13-820 | 21-270 | 52977 | 34 | 19-772 | 25-112 |
| 52690 | 14 | 1-816 | 6-170 | 52762 | 19 | 20-145 | 11-850 | 52834 | 25 | 24-710 | 16-592 | 52906 | 26 | 17-064 | 21-500 | 52978 | 30 | 20-209 | 25-366 |
| 52691 | 16 | 1-865 | | | | | | | | | | | | | | | | | |

R.A. 19^h 8^m

Plate 1270 ; 1918 Oct. 23.

Provisional Constants.

$$\begin{array}{ccc} \text{A} & \text{B} & \text{C} \\ .01735 & + .00750 & + .1444 \end{array}$$

| D | E | F |
|---------|---------|--------|
| —·00739 | —·01745 | —·2393 |

$$Mag. = 16.6 - 1.09\sqrt{d}$$

| | | | | | | | | | | | | | | | | | | | |
|--------|----|--------|-------|--------|----|---------|-------|--------|-----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|
| No. | d | x | y | 53070 | 11 | 12-020 | 4-223 | 53142 | 11 | 5-301 | 9-508 | 53214* | 48 | 2-250 | 14-324 | 53280 | 10 | 0-530 | 19-522 |
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| 53006 | 21 | 17-589 | 0.010 | 53076 | 20 | 22-679 | 4-235 | 53148 | 12 | 12-868 | 9-464 | 53220 | 10 | 8-868 | 15-566 | 53292 | 24 | 14-648 | 19-412 |
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| 53010 | 13 | 4-755 | 1-685 | 53082* | 34 | 6-688 | 5-882 | 53152 | 17 | 24-411 | 9-922 | 53224 | 14 | 13-900 | 15-510 | 53296 | 14 | 3-918 | 20-807 |
| 53011 | 17 | 4-876 | 1-650 | 53083 | 35 | 7-174 | 5-139 | 53153 | 23 | 24-926 | 9-549 | 53225 | 17 | 19-300 | 15-244 | 53297 | 18 | 4-482 | 20-890 |
| 53012 | 13 | 5-042 | 1-698 | 53084 | 38 | 6-688 | 5-139 | 53154 | 21 | 25-832 | 9-702 | 53226 | 12 | 19-320 | 15-491 | 53298 | 11 | 7-201 | 20-951 |
| 53013 | 11 | 6-896 | 1-740 | 53085 | 38 | 7-174 | 5-480 | 53155* | 38 | 1-570 | 10-706 | 53227 | 12 | 20-646 | 15-506 | 53299 | 22 | 9-384 | 20-170 |
| 53014 | 16 | 11-400 | 1-281 | 53086 | 38 | 7-603 | 5-151 | 53156 | 16 | 2-850 | 10-590 | 53228* | 33 | 21-650 | 15-266 | 53300* | 50 | 10-840 | 20-187 |
| 53015 | 14 | 13-670 | 1-242 | 53087 | 22 | 9-020 | 5-768 | 53157 | 11 | 4-736 | 10-768 | 53229 | 28 | 22-594 | 15-950 | 53301 | 10 | 15-598 | 20-163 |
| 53016* | 42 | 14-498 | 1-490 | 53088 | 15 | 9-882 | 5-310 | 53158 | 15 | 4-963 | 10-749 | 53230 | 22 | 22-778 | 15-031 | 53302 | 14 | 16-742 | 20-672 |
| 53017 | 15 | 14-748 | 1-926 | 53089 | 12 | 10-100 | 5-938 | 53159 | 15 | 6-828 | 10-416 | 53231* | 50 | 23-232 | 15-212 | 53303 | 18 | 19-308 | 20-364 |
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| 53024* | 58 | 23-612 | 1-770 | 53096* | 37 | 24-102 | 5-838 | 53166 | 20 | 21-560 | 10-565 | 53238 | 17 | 2-596 | 16-557 | 53310 | 14 | 9-594 | 21-780 |
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| 53026 | 11 | 0-100 | 2-622 | 53098 | 24 | 25-564 | 5-764 | 53169 | 12 | 23-504 | 10-724 | 53241 | 22 | 5-974 | 16-688 | 53313 | 12 | 14-620 | 21-910 |
| 53027 | 10 | 6-720 | 2-118 | 53099 | 17 | 0-515 | 6-684 | 53170 | 10 | 24-688 | 10-476 | 53242* | 50 | 7-170 | 16-676 | 53314 | 13 | 18-842 | 21-100 |
| 53028 | 16 | 10-418 | 2-313 | 53100 | 17 | 3-308 | 6-044 | 53171 | 14 | 25-114 | 10-501 | 53243 | 13 | 9-116 | 16-204 | 53315 | 19 | 19-336 | 21-496 |
| 53029 | 11 | 11-431 | 2-296 | 53101 | 12 | 4-039 | 6-160 | 53172 | 67 | 25-994 | 10-548 | 53244 | 10 | 14-966 | 16-869 | 53316 | 15 | 20-623 | 21-132 |
| 53030 | 28 | 11-721 | 2-348 | 53102 | 20 | 4-456 | 6-450 | 53173* | 37 | 1-093 | 11-204 | 53245 | 12 | 16-839 | 16-149 | 53317 | 25 | 22-524 | 21-774 |
| 53031 | 40 | 11-863 | 2-541 | 53103 | 11 | 5-240 | 6-770 | 53174 | 33 | 2-004 | 11-942 | 53246 | 24 | 17-380 | 16-786 | 53318 | 10 | 22-807 | 21-607 |
| 53032 | 20 | 16-656 | 2-350 | 53104 | 11 | 6-034 | 6-820 | 53175 | 11 | 6-508 | 11-648 | 53247 | 12 | 18-830 | 16-644 | 53319 | 36 | 23-902 | 21-904 |
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| 53034 | 23 | 16-948 | 2-664 | 53106 | 20 | 10-435 | 6-220 | 53177 | 19 | 16-958 | 11-130 | 53249 | 30 | 22-887 | 16-881 | 53321 | 12 | 23-978 | 21-999 |
| 53035 | 12 | 19-364 | 2-370 | 53107 | 20 | 12-477 | 6-668 | 53178 | 10 | 18-328 | 11-694 | 53250 | 12 | 23-293 | 16-052 | 53322 | 12 | 1-137 | 22-942 |
| 53036 | 36 | 19-932 | 2-321 | 53108 | 14 | 13-396 | 6-599 | 53179 | 31 | 20-140 | 11-231 | 53251 | 23 | 24-166 | 16-415 | 53323 | 27 | 2-742 | 22-742 |
| 53037 | 13 | 23-505 | 2-918 | 53109 | 10 | 14-3872 | 6-810 | 53180* | 57 | 22-850 | 11-724 | 53252 | 20 | 24-476 | 16-189 | 53324* | 36 | 3-450 | 22-240 |
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| 53039* | 40 | 23-994 | 2-964 | 53111 | 24 | 16-388 | 6-388 | 53182 | 10 | 4-798 | 12-444 | 53254 | 10 | 1-395 | 17-232 | 53326 | 10 | 7-442 | 22-679 |
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| 53042 | 40 | 7-268 | 3-410 | 53114 | 18 | 25-283 | 6-159 | 53185* | 18 | 11-772 | 12-731 | 53257 | 25 | 8-233 | 17-032 | 53329 | 15 | 14-398 | 22-000 |
| 53043 | 24 | 8-562 | 3-188 | 53115 | 22 | 2-398 | 7-228 | 53186* | 25 | 13-180 | 12-814 | 53258 | 19 | 9-548 | 17-342 | 53330 | 11 | 16-954 | 22-648 |
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| 53046 | 12 | 11-735 | 3-218 | 53118 | 20 | 4-608 | 7-726 | 53189 | 82 | 25-100 | 12-902 | 53261 | 13 | 14-028 | 17-902 | 53333 | 21 | 19-423 | 22-015 |
| 53047 | 11 | 11-760 | 3-434 | 53119 | 11 | 11-774 | 7-450 | 53190 | 10 | 25-841 | 12-603 | 53262 | 12 | 18-074 | 17-891 | 53334 | 13 | 20-585 | 22-284 |
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| 53049 | 16 | 12-254 | 3-093 | 53121 | 12 | 14-813 | 7-150 | 53192 | 24 | 5-178 | 13-557 | 53264 | 12 | 19-171 | 17-456 | 53336 | 13 | 0-702 | 22-972 |
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| | | | | 53128 | 19 | 2-094 | 8-708 | 53199 | 17 | 24-130 | 13-668 | 53271 | 13 | 23-466 | 17-282 | 53343 | 25 | 8-506 | 23-455 |

| | | | | | | | | | | | | | | | | | | | |
|--------|----|--------|--------|--------|----|--------|-------|--------|----|--------|-------|--------|----|--------|--------|--------|----|--------|--------|
| 53344 | 19 | 8-652 | 23-182 | 53415 | 12 | 7-857 | 1-485 | 53487 | 12 | 19-042 | 4-036 | 53559* | 26 | 3-158 | 8-336 | 53631 | 16 | 11-962 | 11-500 |
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| 53346 | 22 | 13-160 | 23-520 | 53417 | 28 | 10-074 | 1-504 | 53489 | 26 | 1-645 | 5-808 | 53561 | 17 | 7-086 | 8-395 | 53633 | 14 | 13-072 | 11-790 |
| 53347 | 10 | 15-066 | 23-688 | 53418 | 12 | 11-293 | 1-580 | 53490* | 20 | 2-592 | 5-338 | 53562 | 20 | 9-440 | 8-830 | 53634 | 22 | 15-048 | 11-870 |
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| | | | | 53457* | 31 | 1-504 | 3-140 | 53529 | 10 | 22-550 | 6-379 | 53601 | 15 | 9-910 | 10-608 | 53673 | 13 | 10-416 | 13-359 |
| | | | | 53458* | 17 | 7-175 | 3-700 | 53530 | 11 | 22-689 | 6-758 | 53602 | 10 | 10-048 | 10-137 | 53674 | 12 | 13-561 | 13-470 |
| | | | | 53459 | 27 | 10-121 | 3-036 | 53531 | 10 | 23-183 | 6-485 | 53603* | 42 | 11-276 | 10-564 | 53675 | 10 | 16-744 | 13-017 |
| | | | | 53460 | 10 | 11-234 | 3-155 | 53532* | 22 | 23-880 | 6-600 | 53604 | 10 | 11-290 | 10-258 | 53676 | 10 | 17-776 | 13-240 |
| | | | | 53461 | 26 | 12-488 | 3-334 | 53533* | 29 | 23-982 | 6-666 | 53605 | 22 | 11-975 | 10-624 | 53677 | 10 | 17-920 | 13-475 |
| | | | | 53462 | 27 | 12-784 | 3-402 | 53534 | 20 | 1-280 | 7-884 | 53606 | 22 | 12-794 | 10-386 | 53678 | 10 | 18-667 | 13-375 |
| | | | | 53463 | 13 | 13-347 | 3-282 | 53535 | 17 | 1-754 | 7-968 | 53607 | 12 | 15-126 | 10-274 | 53679 | 20 | 19-058 | 13-758 |
| | | | | 53464 | 10 | 15-226 | 3-663 | 53536 | 10 | 3-958 | 7-424 | 53608 | 10 | 16-031 | 10-660 | 53680 | 12 | 19-470 | 13-835 |
| | | | | 53465 | 20 | 17-510 | 3-566 | 53537 | 10 | 5-465 | 7-430 | 53609 | 10 | 16-586 | 10-539 | 53681 | 11 | 19-738 | 13-172 |
| | | | | 53466 | 15 | 18-147 | 3-315 | 53538 | 10 | 7-750 | 7-080 | 53610 | 15 | 16-764 | 10-205 | 53682* | 40 | 20-317 | 13-858 |
| | | | | 53467 | 11 | 18-607 | 3-894 | 53539 | 10 | 7-831 | 7-176 | 53611 | 10 | 17-490 | 10-620 | 53683 | 10 | 20-936 | 13-390 |
| | | | | 53468 | 12 | 21-006 | 3-604 | 53540 | 14 | 9-217 | 7-868 | 53612 | 14 | 17-802 | 10-990 | 53684 | 10 | 21-155 | 13-208 |
| | | | | 53469* | 30 | 21-616 | 3-290 | 53541 | 13 | 9-716 | 7-444 | 53613 | 18 | 19-956 | 10-656 | 53685 | 15 | 21-171 | 13-048 |
| | | | | 53470 | 10 | 21-914 | 3-580 | 53542* | 32 | 14-126 | 7-594 | 53614* | 38 | 21-310 | 10-197 | 53686 | 26 | 21-222 | 13-470 |
| | | | | 53471 | 10 | 22-434 | 3-580 | 53543 | 17 | 16-940 | 7-407 | 53615 | 18 | 21-644 | 10-320 | 53687 | 22 | 21-970 | 13-684 |
| | | | | 53472 | 10 | 25-667 | 3-338 | 53544 | 13 | 17-293 | 7-909 | 53616 | 19 | 22-141 | 10-512 | 53688 | 19 | 23-295 | 13-960 |
| | | | | 53473 | 15 | 0-206 | 4-426 | 53545 | 11 | 17-953 | 7-980 | 53617 | 10 | 22-654 | 10-776 | 53689* | 78 | 1-200 | 14-121 |
| 53401* | 26 | 0-840 | 0-790 | 53474 | 17 | 5-236 | 4-315 | 53546 | 22 | 19-070 | 7-721 | 53618 | 11 | 23-370 | 10-158 | 53690 | 16 | 1-782 | 14-648 |
| 53402 | 13 | 5-684 | 0-336 | 53475 | 10 | 6-284 | 4-520 | 53547 | 21 | 19-326 | 7-230 | 53619 | 11 | 24-736 | 10-136 | 53691 | 14 | 3-274 | 14-900 |
| 53403 | 10 | 9-579 | 0-700 | 53476 | 11 | 7-470 | 4-791 | 53548 | 21 | 19-610 | 7-720 | 53620 | 11 | 25-836 | 10-167 | 53692* | 25 | 9-146 | 14-623 |
| 53404 | 16 | 10-400 | 0-926 | 53477 | 20 | 7-640 | 4-266 | 53549 | 16 | 20-064 | 7-909 | 53621 | 10 | 25-886 | 10-235 | 53693* | 42 | 15-026 | 14-960 |
| 53405 | 18 | 10-716 | 0-774 | 53478 | 22 | 8-366 | 4-965 | 53550* | 29 | 21-906 | 7-727 | 53622* | 36 | 0-464 | 11-008 | 53694 | 21 | 16-076 | 14-432 |
| 53406 | 24 | 13-052 | 0-947 | 53479 | 20 | 9-064 | 4-673 | 53551 | 10 | 22-250 | 7-320 | 53623* | 48 | 3-592 | 11-100 | 53695* | 36 | 16-330 | 14-484 |
| 534 | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------------------------------------|--------|--------|----|--------|--------|--|--|--|--|
| | | | | | | | | | | R.A. 19 ^h 24 ^m | | | | | | | | | |
| | | | | | | | | | | Plate 1262; 1918 Aug. 27. | | | | | | | | | |
| | | | | | | | | | | Provisional Constants. | | | | | | | | | |
| | | | | | | | | | | A B C | | | | | | | | | |
| | | | | | | | | | | -0.1731 +0.0581 -0.3331 | | | | | | | | | |
| | | | | | | | | | | D E F | | | | | | | | | |
| | | | | | | | | | | -0.0596 -0.1763 -0.2069 | | | | | | | | | |
| | | | | | | | | | | Mag. = 16.0 - 1.09 \sqrt{d} | | | | | | | | | |
| | | | | | | | | | | No. d r η | | | | | | | | | |
| 53703 | 14 | 25.557 | 14.994 | 53775 | 18 | 17.292 | 17.446 | 53847 | 12 | 21.659 | 20.254 | 53919 | 23 | 11.019 | 23.684 | | | | |
| 53704 | 18 | 0.429 | 15.218 | 53776 | 12 | 17.587 | 17.680 | 53848 | 15 | 22.070 | 20.982 | 53920 | 13 | 11.684 | 23.156 | | | | |
| 53705* | 37 | 0.886 | 15.392 | 53777 | 10 | 18.154 | 17.794 | 53849 | 15 | 25.510 | 20.071 | 53921 | 17 | 12.820 | 23.086 | | | | |
| 53706* | 17 | 1.603 | 15.554 | 53778 | 10 | 22.292 | 17.019 | 53850 | 10 | 25.650 | 20.629 | 53922 | 10 | 14.904 | 23.568 | | | | |
| 53707 | 13 | 1.654 | 15.480 | 53779 | 11 | 22.424 | 17.648 | 53851 | 13 | 25.863 | 20.424 | 53923 | 17 | 15.000 | 23.200 | | | | |
| 53708 | 19 | 3.270 | 15.413 | 53780 | 11 | 22.588 | 17.538 | 53852 | 18 | 0.257 | 21.960 | 53924 | 14 | 15.813 | 23.861 | | | | |
| 53709* | 23 | 3.650 | 15.507 | 53781 | 10 | 22.812 | 17.211 | 53853 | 11 | 0.531 | 21.451 | 53925 | 14 | 16.662 | 23.180 | | | | |
| 53710 | 22 | 7.566 | 15.188 | 53782 | 13 | 24.352 | 17.820 | 53854 | 15 | 2.021 | 21.806 | 53926 | 10 | 16.870 | 23.772 | | | | |
| 53711* | 26 | 10.096 | 15.186 | 53783 | 22 | 25.542 | 17.807 | 53855 | 12 | 3.386 | 21.083 | 53927 | 22 | 17.223 | 23.743 | | | | |
| 53712 | 14 | 14.700 | 15.900 | 53784 | 11 | 25.726 | 17.777 | 53856 | 11 | 3.544 | 21.590 | 53928 | 20 | 17.902 | 23.073 | | | | |
| 53713 | 14 | 16.100 | 15.130 | 53785 | 14 | 25.858 | 17.942 | 53857 | 11 | 4.892 | 21.748 | 53929 | 10 | 17.943 | 23.585 | | | | |
| 53714 | 18 | 16.956 | 15.780 | 53786 | 12 | 2.842 | 18.238 | 53858 | 10 | 7.514 | 21.836 | 53930 | 12 | 18.200 | 23.576 | | | | |
| 53715 | 10 | 18.350 | 15.245 | 53787* | 28 | 3.190 | 18.032 | 53859 | 16 | 8.400 | 21.004 | 53931 | 10 | 18.630 | 23.583 | | | | |
| 53716 | 17 | 18.678 | 15.926 | 53788* | 14 | 4.334 | 18.329 | 53860 | 26 | 9.408 | 21.070 | 53932* | 32 | 20.054 | 23.130 | | | | |
| 53717 | 17 | 18.930 | 15.475 | 53789* | 43 | 7.762 | 18.988 | 53861 | 13 | 11.280 | 21.926 | 53933 | 12 | 20.466 | 23.875 | | | | |
| 53718 | 16 | 20.026 | 15.240 | 53790 | 14 | 8.228 | 18.766 | 53862 | 20 | 12.280 | 21.740 | 53934 | 20 | 22.232 | 23.574 | | | | |
| 53719 | 10 | 20.278 | 15.752 | 53791 | 13 | 9.092 | 18.478 | 53863 | 11 | 13.726 | 21.145 | 53935 | 14 | 22.879 | 23.271 | | | | |
| 53720* | 33 | 21.965 | 15.364 | 53792 | 13 | 9.413 | 18.140 | 53864 | 12 | 13.806 | 21.356 | 53936 | 10 | 23.806 | 23.866 | | | | |
| 53721 | 17 | 22.616 | 15.287 | 53793 | 10 | 11.247 | 18.164 | 53865 | 12 | 15.336 | 21.743 | 53937* | 25 | 2.066 | 24.959 | | | | |
| 53722 | 11 | 22.632 | 15.125 | 53794 | 10 | 11.518 | 18.700 | 53866 | 12 | 15.672 | 21.336 | 53938 | 10 | 8.204 | 24.573 | | | | |
| 53723 | 17 | 23.138 | 15.234 | 53795 | 23 | 12.952 | 18.823 | 53867 | 15 | 15.744 | 21.045 | 53939 | 23 | 8.378 | 24.606 | | | | |
| 53724 | 12 | 23.188 | 15.258 | 53796 | 11 | 13.879 | 18.203 | 53868 | 10 | 16.190 | 21.226 | 53940 | 11 | 9.504 | 24.916 | | | | |
| 53725 | 27 | 23.748 | 15.062 | 53797 | 11 | 16.852 | 18.211 | 53869 | 15 | 17.558 | 21.680 | 53941 | 17 | 11.422 | 24.558 | | | | |
| 53726 | 11 | 25.824 | 15.378 | 53798 | 10 | 17.523 | 18.942 | 53870 | 22 | 17.886 | 21.834 | 53942 | 17 | 11.952 | 24.033 | | | | |
| 53727 | 13 | 0.219 | 16.680 | 53799 | 10 | 18.728 | 18.385 | 53871 | 15 | 18.044 | 21.164 | 53943 | 10 | 14.295 | 24.570 | | | | |
| 53728 | 24 | 0.256 | 16.138 | 53800 | 13 | 18.935 | 18.246 | 53872 | 10 | 18.849 | 21.600 | 53944 | 16 | 14.803 | 24.799 | | | | |
| 53729 | 19 | 1.834 | 16.583 | 53801 | 10 | 21.132 | 18.289 | 53873 | 17 | 20.681 | 21.824 | 53945* | 26 | 16.079 | 24.651 | | | | |
| 53730 | 17 | 2.140 | 16.355 | 53802 | 22 | 21.341 | 18.513 | 53874 | 22 | 20.866 | 21.824 | 53946 | 23 | 18.080 | 24.838 | | | | |
| 53731* | 35 | 2.404 | 16.244 | 53803 | 12 | 25.615 | 18.085 | 53875 | 18 | 21.440 | 21.430 | 53947 | 11 | 21.909 | 24.379 | | | | |
| 53732 | 15 | 7.734 | 16.720 | 53804 | 12 | 25.980 | 18.604 | 53876 | 11 | 23.156 | 21.199 | 53948 | 11 | 24.002 | 24.995 | | | | |
| 53733 | 26 | 9.454 | 16.568 | 53805* | 31 | 2.081 | 19.650 | 53877 | 11 | 23.537 | 21.778 | 53949 | 28 | 24.101 | 24.984 | | | | |
| 53734 | 18 | 11.598 | 16.476 | 53806 | 13 | 5.829 | 19.670 | 53878 | 19 | 24.170 | 21.910 | 53950 | 23 | 0.816 | 25.362 | | | | |
| 53735 | 26 | 11.842 | 16.023 | 53807 | 16 | 7.151 | 19.450 | 53879 | 13 | 24.318 | 21.181 | 53951 | 10 | 3.168 | 25.571 | | | | |
| 53736* | 37 | 13.556 | 16.124 | 53808 | 10 | 9.748 | 19.426 | 53880 | 17 | 25.117 | 21.863 | 53952 | 10 | 4.129 | 25.712 | | | | |
| 53737 | 10 | 15.002 | 16.500 | 53809 | 16 | 10.474 | 19.254 | 53881 | 16 | 25.412 | 21.636 | 53953 | 15 | 4.273 | 25.933 | | | | |
| 53738 | 19 | 16.029 | 16.714 | 53810 | 12 | 14.286 | 19.807 | 53882 | 21 | 25.707 | 21.742 | 53954 | 14 | 5.824 | 25.970 | | | | |
| 53739 | 18 | 17.571 | 16.280 | 53811 | 10 | 15.120 | 19.902 | 53883 | 26 | 1.632 | 22.074 | 53955 | 29 | 6.068 | 25.726 | | | | |
| 53740 | 11 | 17.881 | 16.476 | 53812 | 10 | 15.929 | 19.530 | 53884 | 17 | 3.708 | 22.150 | 53956 | 16 | 7.670 | 25.560 | | | | |
| 53741 | 12 | 18.035 | 16.234 | 53813 | 11 | 17.418 | 19.066 | 53885 | 10 | 4.024 | 22.500 | 53957 | 26 | 8.070 | 25.357 | | | | |
| 53742 | 18 | 18.654 | 16.020 | 53814 | 12 | 17.984 | 19.818 | 53886 | 14 | 4.340 | 22.874 | 53958 | 12 | 10.322 | 25.874 | | | | |
| 53743 | 14 | 19.535 | 16.323 | 53815 | 10 | 18.570 | 19.332 | 53887 | 16 | 7.100 | 22.466 | 53959 | 12 | 11.466 | 25.146 | | | | |
| 53744 | 14 | 19.669 | 16.777 | 53816 | 22 | 18.740 | 19.492 | 53888 | 11 | 7.112 | 22.848 | 53960* | 23 | 11.976 | 25.099 | | | | |
| 53745 | 10 | 20.672 | 16.627 | 53817 | 10 | 19.410 | 19.402 | 53889 | 16 | 8.060 | 22.539 | 53961 | 10 | 11.978 | 25.451 | | | | |
| 53746 | 10 | 20.796 | 16.914 | 53818 | 22 | 19.900 | 19.794 | 53890 | 14 | 9.234 | 22.678 | 53962 | 14 | 14.287 | 25.286 | | | | |
| 53747 | 10 | 22.104 | 16.208 | 53819 | 22 | 22.072 | 17.755 | 53891 | 15 | 9.750 | 22.490 | 53963 | 14 | 15.022 | 25.066 | | | | |
| 53748* | 34 | 23.670 | 16.770 | 53820* | 23 | 23.190 | 19.196 | 53892 | 25 | 12.303 | 22.844 | 53964 | 25 | 16.636 | 25.949 | | | | |
| 53749 | 13 | 23.998 | 16.500 | 53821 | 24 | 25.124 | 19.404 | 53893 | 10 | 12.665 | 22.201 | 53965 | 12 | 17.324 | 25.516 | | | | |
| 53750 | 12 | 25.740 | 16.050 | 53822 | 13 | 25.246 | 19.717 | 53894 | 12 | 13.404 | 22.658 | 53966 | 22 | 17.451 | 25.558 | | | | |
| 53751 | 26 | 0.560 | 17.067 | 53823 | 12 | 25.577 | 19.524 | 53895 | 15 | 13.940 | 22.606 | 53967 | 10 | 17.512 | 25.160 | | | | |
| 53752 | 12 | 1.140 | 17.460 | 53824 | 14 | 5.334 | 20.128 | 53896 | 11 | 14.410 | 22.678 | 53968 | 12 | 18.559 | 25.259 | | | | |
| 53753 | 16 | 1.590 | 17.780 | 53825 | 10 | 5.980 | 20.720 | 53897 | 21 | 14.914 | 22.126 | 53969 | 17 | 18.616 | 25.042 | | | | |
| 53754 | 10 | 2.262 | 17.594 | 53826 | 22 | 6.076 | 20.079 | 53898 | 26 | 17.238 | 22.443 | 53970 | 13 | 18.632 | 25.494 | | | | |
| 53755 | 12 | 3.710 | 17.114 | 53827 | 28 | 6.486 | 20.256 | 53899 | 14 | 17.442 | 22.842 | 53971 | 17 | 18.804 | 25.650 | | | | |
| 53756 | 10 | 4.140 | 17.956 | 53828 | 12 | 6.927 | 20.941 | 53900 | 24 | 17.796 | 22.284 | 53972 | 11 | 19.184 | 25.612 | | | | |
| 53757 | 23 | 7.244 | 17.852 | 53829 | 16 | 7.898 | 20.690 | 53901* | 28 | 18.254 | 22.629 | 53973 | 24 | 21.253 | 25.922 | | | | |
| 53758 | 10 | 8.558 | 17.360 | 53830 | 12 | 8.232 | 20.705 | 53902 | 11 | 18.300 | 22.441 | 53974 | 25 | 22.152 | 25.220 | | | | |
| 53759 | 16 | 8.660 | 17.990 | 53831 | 27 | 8.576 | 20.550 | 53903 | 21 | 19.118 | 22.378 | 53975 | 18 | 22.730 | 25.138 | | | | |
| 53760 | 10 | 10.782 | 17.680 | 53832 | 11 | 14.312 | 20.684 | 53904 | 26 | 21.555 | 22.217 | 53976 | 11 | 23.132 | 25.296 | | | | |
| 53761 | 17 | 11.600 | 17.358 | 53833 | 18 | 14.642 | 20.422 | 53905 | 13 | 23.882 | 22.790 | 53977 | 16 | 23.944 | 25.162 | | | | |
| 53762 | 21 | 12.064 | 17.251 | 53834 | 13 | 15.130 | 20.622 | 53906 | 13 | 24.148 | 22.240 | 53978 | 12 | 24.000 | 25.400 | | | | |
| 53763 | 10 | 12.184 | 17.010 | 53835 | 10 | 15.304 | 20.650 | 53907 | 27 | 0.886 | 23.402 | | | | | | | | |
| 53764* | 75 | 12.298 | 17.436 | 53836 | 14 | 16.058 | 20.144 | 53908 | 11 | 2.289 | 23.880 | | | | | | | | |
| 53765 | 14 | 12.920 | 17.615 | 53837 | 17 | 17.730 | 20.920 | 53909 | 18 | 2.684 | 23.581 | | | | | | | | |
| 53766 | 12 | 14.572 | 17.099 | 53838 | 12 | 17.756 | 20.790 | 53910 | 15 | 2.820 | 23.558 | | | | | | | | |
| 53767 | 11 | 14.864 | 17.755 | 53839 | 19 | 18.000 | 20.452 | 53911 | 10 | 2.913 | 23.274 | | | | | | | | |
| 53768 | 12 | 15.188 | 17.693 | 53840 | 10 | 18.195 | 20.110 | 53912 | 24 | 3.902 | 23.160 | | | | | | | | |
| 53769 | 10 | 15.340 | 17.141 | 53841 | 12 | 19.506 | 20.404 | 53913* | 29 | 4.510 | 23.198 | | | | | | | | |
| 53770 | 12 | 15.591 | 17.418 | 53842 | 20 | 20.193 | 20.056 | 53914 | 10 | 4.653 | 23.110 | | | | | | | | |
| 53771 | 12 | 15.760 | 17.190 | 53843 | 21 | 20.228 | 20.348 | 53915 | 17 | 5.185 | 23.705 | | | | | | | | |
| 53772 | 16 | 16.224 | 17.596 | 53844 | 14 | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|-------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
| 54056 | 31 | 16-860 | 4-242 | 5-128 | 15 | 22-999 | 9-782 | 54200 | 28 | 13-524 | 15-685 | 54272 | 13 | 3-175 | 20-236 | 54344 | 13 | 0-446 | 25-332 |
| 54057 | 11 | 16-915 | 4-616 | 5-120 | 14 | 23-486 | 9-044 | 54201 | 30 | 16-886 | 15-991 | 54273 | 13 | 3-534 | 20-585 | 54345 | 15 | 1-660 | 25-336 |
| 54058 | 27 | 19-199 | 4-890 | 5-130 | 10 | 0-570 | 10-368 | 54202 | 31 | 18-425 | 15-409 | 54274 | 19 | 4-414 | 20-896 | 54346 | 15 | 1-755 | 25-175 |
| 54059 | 34 | 22-984 | 4-834 | 5-131 | 15 | 0-604 | 10-000 | 54203 | 10 | 18-972 | 15-662 | 54275 | 17 | 5-334 | 20-042 | 54347 | 18 | 1-718 | 25-580 |
| 54060 | 24 | 2-075 | 5-525 | 5-132 | 12 | 3-406 | 10-327 | 54204 | 13 | 19-800 | 15-641 | 54276 | 27 | 7-718 | 20-530 | 54348 | 34 | 5-036 | 25-100 |
| 54061 | 17 | 5-082 | 5-336 | 5-133 | 12 | 3-453 | 10-395 | 54205 | 11 | 20-004 | 15-614 | 54277 | 26 | 10-042 | 20-814 | 54349 | 12 | 5-872 | 25-821 |
| 54062 | 30 | 7-252 | 5-020 | 5-134 | 31 | 3-575 | 10-751 | 54206 | 12 | 24-785 | 15-676 | 54278 | 13 | 10-433 | 20-228 | 54350 | 13 | 14-294 | 25-260 |
| 54063 | 12 | 10-091 | 5-410 | 5-135 | 25 | 5-807 | 10-999 | 54207 | 43 | 1-300 | 16-954 | 54279 | 25 | 10-674 | 20-465 | 54351 | 13 | 14-658 | 25-868 |
| 54064 | 32 | 12-625 | 5-080 | 5-136 | 18 | 15-053 | 10-262 | 54208 | 12 | 1-626 | 16-682 | 54280 | 12 | 10-912 | 20-134 | 54352 | 11 | 15-396 | 25-898 |
| 54065 | 32 | 14-627 | 5-054 | 5-137 | 38 | 18-726 | 10-900 | 54209 | 15 | 4-184 | 16-496 | 54281 | 34 | 12-368 | 20-718 | 54353 | 14 | 18-649 | 25-957 |
| 54066 | 32 | 14-886 | 5-800 | 5-138 | 13 | 19-398 | 10-444 | 54210 | 29 | 4-468 | 16-422 | 54282 | 28 | 13-660 | 20-449 | | | | |
| 54067 | 22 | 14-990 | 5-730 | 5-139 | 16 | 20-732 | 10-380 | 54211 | 30 | 16-179 | 16-675 | 54283 | 21 | 16-718 | 20-949 | | | | |
| 54068 | 16 | 15-443 | 5-316 | 5-140 | 47 | 23-290 | 10-436 | 54212 | 13 | 16-974 | 16-316 | 54284 | 20 | 19-067 | 20-550 | | | | |
| 54069 | 36 | 19-085 | 5-954 | 5-141 | 33 | 23-354 | 10-462 | 54213 | 31 | 17-520 | 16-586 | 54285 | 15 | 21-058 | 20-406 | | | | |
| 54070 | 21 | 20-100 | 5-644 | 5-142 | 27 | 23-305 | 10-471 | 54214 | 15 | 18-396 | 16-091 | 54286 | 12 | 23-410 | 20-224 | | | | |
| 54071 | 31 | 1-415 | 6-782 | 5-143 | 12 | 3-460 | 11-420 | 54215 | 11 | 18-986 | 16-831 | 54287 | 18 | 3-095 | 21-803 | | | | |
| 54072 | 37 | 1-518 | 6-848 | 5-144 | 26 | 4-250 | 11-323 | 54216 | 34 | 19-762 | 16-600 | 54288 | 27 | 3-388 | 21-905 | | | | |
| 54073 | 32 | 4-494 | 6-960 | 5-145 | 13 | 4-612 | 11-347 | 54217 | 12 | 24-326 | 16-700 | 54289 | 19 | 7-305 | 21-520 | | | | |
| 54074 | 23 | 7-436 | 6-616 | 5-146 | 12 | 6-252 | 11-304 | 54218 | 34 | 3-185 | 17-972 | 54290 | 33 | 8-524 | 21-568 | | | | |
| 54075 | 10 | 8-506 | 6-028 | 5-147 | 12 | 8-378 | 11-407 | 54219 | 35 | 6-327 | 17-324 | 54291 | 12 | 8-756 | 21-548 | | | | |
| 54076 | 24 | 10-790 | 6-150 | 5-148 | 31 | 12-110 | 11-614 | 54220 | 21 | 6-826 | 17-362 | 54292 | 13 | 11-458 | 21-506 | | | | |
| 54077 | 51 | 13-714 | 6-000 | 5-149 | 16 | 13-853 | 11-146 | 54221 | 18 | 7-202 | 17-878 | 54293 | 43 | 13-382 | 21-463 | | | | |
| 54078 | 22 | 14-448 | 6-807 | 5-150 | 25 | 16-155 | 11-318 | 54222 | 16 | 7-880 | 17-175 | 54294 | 10 | 15-085 | 21-295 | | | | |
| 54079 | 49 | 15-222 | 6-959 | 5-151 | 19 | 17-418 | 11-012 | 54223 | 10 | 9-615 | 17-220 | 54295 | 14 | 16-008 | 21-752 | | | | |
| 54080 | 12 | 17-137 | 6-951 | 5-152 | 21 | 18-598 | 11-154 | 54224 | 15 | 10-638 | 17-760 | 54296 | 10 | 17-658 | 21-640 | | | | |
| 54081 | 10 | 19-450 | 6-890 | 5-153 | 30 | 19-718 | 11-840 | 54225 | 35 | 12-216 | 17-987 | 54297 | 29 | 18-544 | 21-899 | | | | |
| 54082 | 10 | 20-620 | 6-775 | 5-154 | 19 | 20-876 | 11-950 | 54226 | 11 | 12-524 | 17-262 | 54298 | 30 | 20-215 | 21-400 | | | | |
| 54083 | 10 | 21-578 | 6-740 | 5-155 | 10 | 20-940 | 11-822 | 54227 | 31 | 13-166 | 17-366 | 54299 | 16 | 22-254 | 21-619 | | | | |
| 54084 | 12 | 24-304 | 6-222 | 5-156 | 15 | 22-163 | 11-888 | 54228 | 21 | 13-284 | 17-126 | 54300 | 12 | 22-508 | 21-392 | | | | |
| 54085 | 12 | 24-320 | 6-846 | 5-157 | 12 | 22-492 | 11-550 | 54229 | 14 | 13-623 | 17-799 | 54301 | 34 | 23-888 | 21-893 | | | | |
| 54086 | 18 | 25-196 | 6-032 | 5-158 | 31 | 24-418 | 11-286 | 54230 | 28 | 13-686 | 17-304 | 54302 | 41 | 24-801 | 21-739 | | | | |
| 54087 | 12 | 25-695 | 6-650 | 5-159 | 17 | 4-068 | 12-207 | 54231 | 30 | 14-766 | 17-830 | 54303 | 21 | 1-852 | 22-093 | | | | |
| 54088 | 34 | 1-572 | 7-384 | 5-160 | 18 | 4-880 | 12-868 | 54232 | 30 | 17-265 | 17-054 | 54304 | 19 | 2-799 | 22-034 | | | | |
| 54089 | 10 | 3-412 | 7-061 | 5-161 | 16 | 5-057 | 12-209 | 54233 | 19 | 17-266 | 17-405 | 54305 | 13 | 4-104 | 22-065 | | | | |
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| 54091 | 55 | 6-778 | 7-500 | 5-163 | 40 | 7-116 | 12-176 | 54235 | 12 | 17-490 | 17-654 | 54307 | 19 | 7-120 | 22-260 | | | | |
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| 54093 | 46 | 7-954 | 7-356 | 5-165 | 32 | 11-000 | 12-688 | 54237 | 26 | 23-600 | 17-494 | 54309 | 14 | 8-334 | 22-114 | | | | |
| 54094 | 27 | 11-074 | 7-910 | 5-166 | 25 | 14-842 | 12-126 | 54238 | 25 | 25-746 | 17-617 | 54310 | 12 | 8-782 | 22-046 | | | | |
| 54095 | 13 | 15-016 | 7-966 | 5-167 | 12 | 15-123 | 12-607 | 54239 | 12 | 3-264 | 18-250 | 54311 | 13 | 10-787 | 22-020 | | | | |
| 54096 | 32 | 16-432 | 7-334 | 5-168 | 21 | 5-595 | 13-004 | 54240 | 26 | 3-504 | 18-104 | 54312 | 16 | 10-870 | 22-067 | | | | |
| 54097 | 18 | 17-090 | 7-358 | 5-169 | 13 | 5-052 | 13-238 | 54241 | 14 | 3-630 | 18-766 | 54313 | 14 | 10-882 | 22-061 | | | | |
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| 54103 | 12 | 6-035 | 8-446 | 5-175 | 12 | 18-520 | 13-718 | 54247 | 12 | 16-020 | 18-945 | 54319 | 28 | 25-763 | 22-954 | | | | |
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| 54107 | 18 | 12-421 | 8-807 | 5-179 | 39 | 23-758 | 13-350 | 54251 | 33 | 0-332 | 19-950 | 54323 | 22 | 8-816 | 23-460 | | | | |
| 54108 | 12 | 13-677 | 8-330 | 5-180 | 16 | 25-188 | 13-991 | 54252 | 32 | 0-844 | 19-384 | 54324 | 33 | 9-816 | 23-460 | | | | |
| 54109 | 13 | 13-762 | 8-750 | 5-181 | 31 | 0-900 | 14-148 | 54253 | 33 | 2-782 | 19-633 | 54325 | 31 | 11-047 | 23-734 | | | | |
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| 54111 | 12 | 14-335 | 8-293 | 5-183 | 12 | 2-770 | 14-646 | 54255 | 25 | 5-535 | 19-432 | 54327 | 32 | 14-380 | 23-516 | | | | |
| 54112 | 36 | 16-253 | 8-206 | 5-184 | 17 | 2-934 | 14-900 | 54256 | 11 | 6-361 | 19-549 | 54328 | 13 | 15-942 | 23-858 | | | | |
| 54113 | 28 | 17-146 | 8-796 | 5-185 | 14 | 3-756 | 14-136 | 54257 | 12 | 7-425 | 19-534 | 54329 | 20 | 15-962 | 23-210 | | | | |
| 54114 | 27 | 18-124 | 8-294 | 5-186 | 23 | 5-626 | 14-757 | 54258 | 13 | 8-514 | 19-331 | 54330 | 30 | 18-084 | 23-591 | | | | |
| 54115 | 32 | 23-348 | 8-352 | 5-187 | 17 | 6-594 | 14-145 | 54259 | 34 | 9-165 | 19-534 | 54331 | 38 | 20-028 | 23-226 | | | | |
| 54116 | 12 | 23-576 | 8-460 | 5-188 | 12 | 8-198 | 14-076 | 54260 | 10 | 9-974 | 19-741 | 54332 | 38 | 23-938 | 23-585 | | | | |
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| 54120 | 12 | 8-726 | 9-336 | 5-192 | 25 | 23-076 | 14-960 | 54264 | 38 | 13-700 | 19-480 | 54336 | 13 | 9-730 | 24-484 | | | | |
| 54121 | 18 | 11-928 | 9-500 | 5-193 | 10 | 23-862 | 14-304 | 54265 | 11 | 17-165 | 19-462 | 54337 | 26 | 10-090 | 24-987 | | | | |
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| 54124 | 18 | 15-718 | 9-156 | 5-196 | 12 | 0-758 | 15-424 | | | | | | | | | | | | |

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|--------|----|--------|-------|--------|----|--------|-------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|
| 54439 | 26 | 8-708 | 2-052 | 54511 | 26 | 2-943 | 6-716 | 54583 | 14 | 15-650 | 9-806 | 54655 | 16 | 13-540 | 13-060 | 54727 | 21 | 15-664 | 16-198 |
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| 54443 | 15 | 16-838 | 2-264 | 54515 | 12 | 5-956 | 6-488 | 54587 | 13 | 0-750 | 10-375 | 54659 | 25 | 14-914 | 13-320 | 54731 | 18 | 23-820 | 16-752 |
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| 54445* | 56 | 19-800 | 2-025 | 54517 | 11 | 6-846 | 6-725 | 54589 | 38 | 1-155 | 10-568 | 54661 | 10 | 17-894 | 13-268 | 54733 | 17 | 1-057 | 17-668 |
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| 54451 | 10 | 2-832 | 3-523 | 54523 | 11 | 14-315 | 6-879 | 54595 | 28 | 15-140 | 10-364 | 54667 | 24 | 1-944 | 14-795 | 54739 | 25 | 9-742 | 17-524 |
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| 54453 | 15 | 5-742 | 3-456 | 54525 | 32 | 16-075 | 6-690 | 54597 | 11 | 16-192 | 10-348 | 54669 | 34 | 8-668 | 14-206 | 54741 | 13 | 12-594 | 17-580 |
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| 54455 | 27 | 9-852 | 3-182 | 54527 | 16 | 17-190 | 6-528 | 54599 | 22 | 17-022 | 10-159 | 54671 | 21 | 9-952 | 14-420 | 54743 | 28 | 15-386 | 17-690 |
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| 54459 | 12 | 12-139 | 3-592 | 54531 | 15 | 22-818 | 6-164 | 54603 | 12 | 20-770 | 10-009 | 54675 | 12 | 13-540 | 14-831 | 54747* | 78 | 18-308 | 17-811 |
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| 54472 | 14 | 3-580 | 4-074 | 54544 | 11 | 22-815 | 7-608 | 54616 | 17 | 10-430 | 11-776 | 54688 | 13 | 24-480 | 14-885 | 54760 | 10 | 4-080 | 18-527 |
| 54473 | 13 | 4-266 | 4-706 | 54545* | 46 | 24-610 | 7-520 | 54617* | 40 | 11-272 | 11-958 | 54689 | 26 | 0-942 | 15-073 | 54761 | 23 | 5-826 | 18-834 |
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| 54477 | 10 | 5-771 | 4-208 | 54549 | 15 | 3-958 | 8-228 | 54621 | 11 | 14-052 | 11-600 | 54693 | 14 | 5-587 | 15-886 | 54765 | 11 | 9-760 | 18-877 |
| 54478 | 14 | 6-070 | 4-308 | 54550 | 12 | 5-070 | 8-364 | 54622 | 17 | 15-476 | 11-178 | 54694 | 26 | 8-250 | 15-768 | 54766* | 50 | 9-780 | 18-078 |
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| 54487 | 10 | 19-470 | 4-418 | 54559 | 10 | 16-070 | 8-655 | 54631* | 60 | 4-904 | 12-336 | 54703 | 24 | 15-700 | 15-704 | 54775 | 12 | 3-922 | 19-351 |
| 54488 | 18 | 20-345 | 4-795 | 54560 | 16 | 16-884 | 8-252 | 54632 | 30 | 7-148 | 12-452 | 54704 | 13 | 17-516 | 15-631 | 54776 | 24 | 4-322 | 19-495 |
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| 54493* | 37 | 3-874 | 5-336 | 54565 | 30 | 18-494 | 8-907 | 54637 | 11 | 10-896 | 12-324 | 54709 | 29 | 23-390 | 15-130 | 54781 | 28 | 8-948 | 19-242 |
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| 54496 | 26 | 8-178 | 5-222 | 54568 | 18 | 24-216 | 8-704 | 54640 | 24 | 16-208 | 12-061 | 54712 | 10 | 3-328 | 16-860 | 54784 | 14 | 11-157 | 19-942 |
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| 54500 | 15 | 14-934 | 5-289 | 54572 | 22 | 4-208 | 9-864 | 54644 | 16 | 19-938 | 12-298 | 54716 | 10 | 4-296 | 16-378 | 54788 | 18 | 13-438 | 19-548 |
| 54501 | 12 | 17-156 | 5-624 | 54573 | 45 | 5-242 | 9-968 | 5 | | | | | | | | | | | |

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|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|-------|-------|----|--------|--------|-------|----|--------|--------|
| 54799 | 44 | 6°44' | 20°69' | 54871 | 29 | 1°34' | 24°65' | 54963 | 28 | 20°99' | 1°914 | 55035 | 13 | 4°526 | 8°993 | 55107 | 10 | 12°584 | 13°738 |
| 54800 | 12 | 8°39' | 20°37' | 54872 | 16 | 1°508 | 24°602 | 54964 | 28 | 21°105 | 1°372 | 55036 | 33 | 5°923 | 8°962 | 55108 | 40 | 20°109 | 13°410 |
| 54801 | 12 | 8°332 | 20°493 | 54873 | 16 | 2°321 | 24°668 | 54965 | 25 | 23°742 | 1°176 | 55037 | 22 | 7°466 | 8°913 | 55109 | 11 | 21°679 | 13°162 |
| 54802 | 30 | 11°294 | 20°277 | 54874 | 10 | 3°372 | 24°227 | 54966 | 17 | 4°676 | 2°719 | 55038 | 29 | 7°860 | 8°182 | 55110 | 14 | 5°199 | 14°265 |
| 54803 | 23 | 11°706 | 20°552 | 54875 | 16 | 4°816 | 24°124 | 54967 | 31 | 5°054 | 2°025 | 55039 | 31 | 8°724 | 8°066 | 55111 | 27 | 13°461 | 14°770 |
| 54804 | 16 | 13°310 | 20°334 | 54876 | 22 | 5°184 | 24°304 | 54968 | 13 | 7°300 | 2°355 | 55040 | 25 | 12°296 | 8°654 | 55112 | 30 | 15°129 | 14°380 |
| 54805 | 10 | 14°683 | 20°740 | 54877 | 31 | 6°004 | 24°349 | 54969 | 12 | 11°490 | 2°852 | 55041 | 24 | 16°248 | 8°668 | 55113 | 23 | 15°152 | 14°772 |
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| 54807 | 29 | 16°015 | 20°373 | 54879 | 10 | 6°718 | 24°120 | 54971 | 25 | 20°103 | 2°488 | 55043 | 29 | 16°951 | 8°180 | 55115 | 21 | 15°639 | 14°654 |
| 54808 | 11 | 17°791 | 20°664 | 54880 | 28 | 6°821 | 24°273 | 54972 | 43 | 25°073 | 2°324 | 55044 | 60 | 17°108 | 8°768 | 55116 | 13 | 15°844 | 14°533 |
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| 54810 | 12 | 24°430 | 20°376 | 54882 | 14 | 8°102 | 24°362 | 54974 | 12 | 3°102 | 3°154 | 55046 | 33 | 19°731 | 8°672 | 55118 | 19 | 17°126 | 14°569 |
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| 54812 | 18 | 0°467 | 21°513 | 54884 | 22 | 10°070 | 24°620 | 54976 | 17 | 6°638 | 3°748 | 55048 | 39 | 23°600 | 8°026 | 55120 | 30 | 20°442 | 14°606 |
| 54813 | 10 | 1°626 | 21°200 | 54885 | 18 | 10°840 | 24°920 | 54977 | 11 | 9°106 | 3°836 | 55049 | 11 | 0°054 | 9°504 | 55121 | 48 | 24°290 | 14°356 |
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| 54816 | 55 | 5°068 | 21°022 | 54888 | 20 | 17°505 | 24°250 | 54980 | 19 | 20°904 | 3°282 | 55052 | 12 | 6°775 | 9°492 | 55124 | 10 | 2°158 | 15°438 |
| 54817 | 11 | 6°623 | 21°350 | 54889 | 34 | 19°078 | 24°530 | 54981 | 20 | 25°013 | 3°042 | 55053 | 12 | 6°952 | 9°410 | 55125 | 12 | 5°719 | 15°779 |
| 54818 | 13 | 9°440 | 21°377 | 54890 | 28 | 19°714 | 24°235 | 54982 | 20 | 25°172 | 3°396 | 55054 | 34 | 12°030 | 9°316 | 55126 | 27 | 8°008 | 15°060 |
| 54819 | 40 | 0°830 | 21°374 | 54891 | 47 | 22°174 | 24°396 | 54983 | 56 | 25°322 | 3°890 | 55055 | 12 | 13°372 | 9°602 | 55127 | 30 | 9°128 | 15°188 |
| 54820 | 29 | 10°642 | 21°014 | 54892 | 46 | 22°550 | 24°703 | 54984 | 24 | 25°771 | 3°889 | 55056 | 12 | 13°384 | 9°236 | 55128 | 27 | 11°082 | 15°801 |
| 54821 | 22 | 11°168 | 21°134 | 54893 | 10 | 22°898 | 24°346 | 54985 | 20 | 0°316 | 4°489 | 55057 | 12 | 13°480 | 9°012 | 55129 | 21 | 11°284 | 15°354 |
| 54822 | 21 | 12°540 | 21°429 | 54894 | 15 | 1°188 | 25°946 | 54986 | 12 | 3°748 | 4°086 | 55058 | 20 | 15°195 | 9°226 | 55130 | 19 | 14°758 | 15°544 |
| 54823 | 41 | 16°210 | 21°216 | 54895 | 12 | 1°203 | 25°644 | 54987 | 14 | 7°894 | 4°437 | 55059 | 23 | 18°826 | 9°375 | 55131 | 12 | 19°938 | 15°573 |
| 54824 | 15 | 16°758 | 21°077 | 54896 | 23 | 7°118 | 25°206 | 54988 | 21 | 10°650 | 4°355 | 55060 | 25 | 21°418 | 9°976 | 55132 | 18 | 20°641 | 15°184 |
| 54825 | 16 | 16°848 | 21°701 | 54897 | 13 | 7°731 | 25°720 | 54989 | 21 | 12°404 | 4°700 | 55061 | 25 | 23°004 | 9°046 | 55133 | 13 | 23°516 | 15°612 |
| 54826 | 18 | 18°482 | 21°765 | 54898 | 19 | 7°731 | 25°720 | 54990 | 21 | 12°404 | 4°700 | 55062 | 13 | 1°580 | 10°674 | 55134 | 43 | 5°641 | 16°096 |
| 54827 | 20 | 18°000 | 21°049 | 54899 | 33 | 11°386 | 25°858 | 54991 | 12 | 14°226 | 4°664 | 55063 | 37 | 3°523 | 10°061 | 55135 | 36 | 6°010 | 16°012 |
| 54828 | 54 | 21°351 | 21°464 | 54900 | 27 | 12°778 | 25°029 | 54992 | 40 | 14°204 | 4°218 | 55064 | 39 | 4°032 | 10°120 | 55136 | 22 | 8°048 | 16°818 |
| 54829 | 17 | 22°730 | 21°744 | 54901 | 13 | 13°060 | 25°810 | 54993 | 37 | 14°700 | 4°009 | 55065 | 36 | 6°754 | 10°975 | 55137 | 12 | 11°501 | 16°363 |
| 54830 | 14 | 24°128 | 21°378 | 54902 | 36 | 14°228 | 25°200 | 54994 | 23 | 14°793 | 4°416 | 55066 | 23 | 9°498 | 10°888 | 55138 | 15 | 12°024 | 16°754 |
| 54831 | 36 | 0°370 | 22°275 | 54903 | 12 | 14°450 | 25°391 | 54995 | 35 | 15°972 | 4°090 | 55067 | 41 | 10°035 | 10°076 | 55139 | 28 | 14°205 | 16°783 |
| 54832 | 13 | 1°050 | 22°931 | 54904 | 24 | 21°060 | 25°354 | 54996 | 16 | 16°730 | 4°908 | 55068 | 30 | 10°464 | 10°220 | 55140 | 12 | 14°800 | 16°262 |
| 54833 | 14 | 1°360 | 22°222 | 54905 | 26 | 24°517 | 25°522 | 54997 | 38 | 18°702 | 4°110 | 55069 | 15 | 14°906 | 10°370 | 55141 | 26 | 15°280 | 16°501 |
| 54834 | 24 | 3°527 | 22°208 | 54906 | 28 | 24°985 | 25°091 | 54998 | 34 | 4°740 | 5°968 | 55070 | 14 | 21°981 | 10°175 | 55142 | 36 | 15°378 | 16°646 |
| 54835 | 18 | 6°604 | 22°208 | | | | | 54999 | 10 | 5°740 | 5°342 | 55071 | 25 | 2°880 | 11°388 | 55143 | 36 | 16°702 | 16°427 |
| 54836 | 13 | 7°475 | 22°144 | | | | | 55000 | 33 | 5°900 | 5°556 | 55072 | 32 | 4°660 | 11°748 | 55144 | 33 | 20°118 | 16°865 |
| 54837 | 52 | 8°174 | 22°110 | | | | | 55001 | 11 | 6°556 | 5°598 | 55073 | 33 | 7°820 | 11°358 | 55145 | 44 | 22°315 | 16°142 |
| 54838 | 15 | 9°550 | 22°707 | | | | | 55002 | 59 | 10°700 | 5°647 | 55074 | 36 | 13°888 | 11°345 | 55146 | 37 | 24°492 | 16°262 |
| 54839 | 11 | 0°752 | 22°753 | | | | | 55003 | 12 | 11°574 | 5°769 | 55075 | 36 | 14°346 | 11°310 | 55147 | 15 | 4°065 | 17°770 |
| 54840 | 14 | 14°873 | 22°430 | | | | | 55004 | 34 | 14°672 | 5°680 | 55076 | 10 | 14°924 | 11°179 | 55148 | 12 | 8°188 | 17°640 |
| 54841 | 31 | 16°237 | 22°904 | | | | | 55005 | 28 | 15°348 | 5°368 | 55077 | 12 | 17°022 | 11°702 | 55149 | 29 | 10°556 | 17°318 |
| 54842 | 27 | 16°454 | 22°770 | | | | | 55006 | 36 | 17°040 | 5°314 | 55078 | 32 | 17°370 | 11°991 | 55150 | 36 | 14°744 | 17°090 |
| 54843 | 21 | 17°328 | 22°326 | | | | | 55007 | 26 | 19°220 | 5°546 | 55079 | 14 | 17°573 | 11°880 | 55151 | 25 | 15°185 | 17°754 |
| 54844 | 47 | 17°533 | 22°220 | | | | | 55008 | 16 | 21°802 | 5°282 | 55080 | 34 | 18°141 | 11°000 | 55152 | 30 | 15°800 | 17°898 |
| 54845 | 26 | 17°062 | 22°452 | | | | | 55009 | 26 | 24°437 | 5°106 | 55081 | 16 | 18°220 | 11°075 | 55153 | 13 | 20°400 | 17°842 |
| 54846 | 15 | 18°585 | 22°626 | | | | | 55010 | 12 | 0°416 | 6°732 | 55082 | 21 | 19°262 | 11°470 | 55154 | 38 | 22°252 | 17°154 |
| 54847 | 37 | 18°849 | 22°462 | | | | | 55011 | 23 | 1°056 | 6°124 | 55083 | 27 | 21°631 | 11°526 | 55155 | 12 | 22°979 | 17°594 |
| 54848 | 15 | 22°167 | 22°243 | | | | | 55012 | 12 | 2°675 | 6°875 | 55084 | 34 | 25°240 | 11°876 | 55156 | 38 | 24°256 | 17°338 |
| 54849 | 17 | 22°736 | 22°872 | | | | | 55013 | 55 | 4°616 | 6°226 | 55085 | 37 | 21°970 | 12°057 | 55157 | 46 | 25°867 | 17°361 |
| 54850 | 36 | 23°599 | 22°288 | | | | | 55014 | 30 | 7°137 | 6°334 | 55086 | 34 | 2°580 | 12°404 | 55158 | 32 | 7°736 | 18°196 |
| 54851 | 32 | 23°762 | 22°070 | | | | | 55015 | 32 | 9°408 | 6°567 | 55087 | 13 | 11°121 | 12°555 | 55159 | 27 | 11°225 | 18°337 |
| 54852 | 23 | 24°595 | 22°740 | | | | | 55016 | 20 | 9°970 | 6°580 | 55088 | 12 | 13°430 | 12°138 | 55160 | 22 | 16°364 | 18°250 |
| 54853 | 60 | 1°026 | 23°085 | | | | | 55017 | 33 | 12°106 | 6°887 | 55089 | 10 | 15°047 | 12°618 | 55161 | 36 | 16°554 | 18°881 |
| 54854 | 28 | 2°096 | 23°862 | | | | | 55018 | 32 | 12°454 | 6°919 | 55090 | 22 | 16°665 | 12°403 | 55162 | 17 | 17°062 | 17°177 |
| 54855 | 27 | 2°122 | 23°438 | | | | | 55019 | 35 | 19°775 | 6°460 | 55091 | 07 | 17°094 | 12°675 | 55163 | 46 | 18°360 | 18°196 |
| 54856 | 28 | 3°742 | 23°028 | | | | | 55020 | 32 | 20°595 | 6°438 | 55092 | 15 | 17°937 | 12°370 | 55164 | 16 | 18°864 | 18°566 |
| 54857 | 32 | 4°446 | 23°052 | | | | | 55021 | 18 | 11°734 | 7°022 | 55093 | 37 | 21°970 | 12°057 | 55165 | 36 | 19°343 | 18°100 |
| 54858 | 11 | 5°176 | 23°056 | | | | | 55022 | 12 | 12°028 | 7°084 | 55094 | 14 | 22°996 | 12°463 | 55166 | 21 | 7°592 | 19°036 |
| 54859 | 26 | 8°924 | 23°222 | | | | | 55023 | 33 | 13°017 | 7°584 | 55095 | 14 | 24°984 | 12°106 | 55167 | 12 | 9°844 | 19°076 |
| 54860 | 23 | 11°704 | 23°769 | | | | | 55024 | 23 | 16°379 | 7°166 | 55096 | 14 | 25°406 | 12°339 | 55168 | 43 | 20°389 | 19°844 |
| 54861 | 18 | 12°506 | 23°686 | | | | | 55025 | 30 | 18°297 | 7°174 | 55097 | 16 | 0°894 | 13°754 | 55169 | 34 | 21°988 | 19°888 |
| 54862 | 16 | 12°930 | 23°046 | | | | | 55026 | 25 | 19°528 | 7°694 | 55098 | 37 | 4°312 | 13°164 | 55170 | 21 | 22°584 | 19°614 |
| 54863 | 20 | 15°089 | 23°348 | | | | | 55027 | 15 | 19°997 | 7°748 | 55099 | 34 | 5°751 | 13°724 | 55171 | 27 | 22°969 | 19°515 |
| 54864 | 17 | 18°504 | 23°39 | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|-------|-----|--------|--------|-------|----|--------|-------|-------|----|--------|--------|-------|----|--------|--------|
| 55179 | 36 | 14°58' | 20°32' | 55306 | 37 | 20°25' | 4°63' | 55378 | 11 | 24°58' | 9°14' | 55450 | 17 | 5°14' | 15°21' |
| 55180 | 21 | 19°74' | 20°38' | 55307 | 11 | 20°63' | 4°76' | 55379 | 13 | 0°68' | 9°56' | 55451 | 25 | 5°54' | 15°86' |
| 55181 | 12 | 20°46' | 20°73' | 55308 | 34 | 25°39' | 4°82' | 55380 | 32 | 3°60' | 10°01' | 55452 | 93 | 8°34' | 15°99' |
| 55182 | 36 | 23°50' | 20°56' | 55309 | 14 | 2°40' | 5°54' | 55381 | 13 | 10°27' | 10°01' | 55453 | 31 | 10°44' | 15°12' |
| 55183 | 10 | 1°87' | 21°93' | 55310 | 32 | 5°61' | 5°12' | 55382 | 16 | 15°03' | 10°49' | 55454 | 36 | 15°04' | 15°17' |
| 55184 | 12 | 3°87' | 21°66' | 55311 | 13 | 8°20' | 5°76' | 55383 | 19 | 20°25' | 10°86' | 55455 | 34 | 15°28' | 15°73' |
| 55185 | 26 | 5°19' | 21°21' | 55312 | 10 | 11°40' | 5°78' | 55384 | 22 | 2°57' | 11°84' | 55456 | 31 | 15°84' | 15°69' |
| 55186 | 19 | 5°79' | 21°41' | 55313 | 41 | 13°48' | 5°01' | 55385 | 35 | 2°82' | 11°61' | 55457 | 28 | 10°84' | 15°74' |
| 55187 | 34 | 6°91' | 21°29' | 55314 | 34 | 13°97' | 5°88' | 55386 | 19 | 4°08' | 11°83' | 55458 | 23 | 20°86' | 15°68' |
| 55188 | 20 | 8°36' | 21°52' | 55315 | 11 | 15°07' | 5°03' | 55387 | 26 | 4°64' | 11°65' | 55459 | 22 | 22°15' | 15°02' |
| 55189 | 23 | 10°29' | 21°40' | 55316 | 14 | 19°03' | 5°41' | 55388 | 12 | 5°15' | 11°39' | 55460 | 36 | 2°12' | 16°01' |
| 55190 | 13 | 18°07' | 21°43' | 55317 | 38 | 20°22' | 5°04' | 55389 | 10 | 5°50' | 11°77' | 55461 | 13 | 4°68' | 16°24' |
| 55191 | 23 | 21°16' | 21°06' | 55318 | 13 | 2°75' | 6°37' | 55390 | 13 | 6°28' | 11°64' | 55462 | 14 | 5°64' | 16°22' |
| 55192 | 32 | 1°354 | 22°85' | 55319 | 22 | 4°67' | 6°85' | 55391 | 28 | 7°66' | 11°31' | 55463 | 23 | 8°25' | 16°20' |
| 55193 | 16 | 5°426 | 22°46' | 55320 | 32 | 9°454 | 6°22' | 55392 | 32 | 10°418 | 11°96' | 55464 | 10 | 11°354 | 16°324 |
| 55194 | 31 | 8°864 | 22°327 | 55321 | 10 | 10°155 | 6°44' | 55393 | 19 | 12°554 | 11°504 | 55465 | 16 | 12°570 | 16°150 |
| 55195 | 26 | 9°300 | 22°935 | 55322 | 33 | 10°801 | 6°214 | 55394 | 12 | 12°946 | 11°258 | 55466 | 21 | 17°634 | 16°032 |
| 55196 | 37 | 11°173 | 22°125 | 55323 | 12 | 11°636 | 6°184 | 55395 | 12 | 13°874 | 11°595 | 55467 | 15 | 20°040 | 16°866 |
| 55197 | 18 | 11°046 | 22°137 | 55324 | 23 | 13°503 | 6°823 | 55396 | 12 | 18°356 | 11°512 | 55468 | 18 | 20°636 | 16°912 |
| 55198 | 23 | 13°054 | 22°031 | 55325 | 12 | 15°437 | 6°893 | 55397 | 14 | 21°460 | 11°516 | 55469 | 21 | 22°288 | 16°156 |
| 55199 | 33 | 14°754 | 22°732 | 55326 | 39 | 21°245 | 6°642 | 55398 | 13 | 21°504 | 11°180 | 55470 | 30 | 22°834 | 16°030 |
| 55200 | 34 | 17°844 | 22°962 | 55327 | 23 | 21°251 | 6°108 | 55399 | 15 | 22°558 | 11°587 | 55471 | 13 | 25°405 | 16°172 |
| 55201 | 18 | 18°720 | 22°747 | 55328 | 10 | 22°352 | 6°417 | 55400 | 43 | 25°202 | 11°668 | 55472 | 19 | 0°624 | 17°356 |
| 55202 | 23 | 24°046 | 22°156 | 55329 | 29 | 23°130 | 6°864 | 55401 | 21 | 0°584 | 12°226 | 55473 | 37 | 1°809 | 17°086 |
| 55203 | 36 | 0°897 | 23°926 | 55330 | 24 | 24°488 | 6°972 | 55402 | 13 | 2°966 | 12°074 | 55474 | 45 | 3°507 | 17°094 |
| 55204 | 32 | 1°526 | 23°529 | 55331 | 28 | 25°887 | 6°108 | 55403 | 30 | 4°331 | 12°718 | 55475 | 14 | 4°921 | 17°539 |
| 55205 | 25 | 2°356 | 23°289 | 55332 | 29 | 0°290 | 7°660 | 55404 | 18 | 5°246 | 12°561 | 55476 | 48 | 6°666 | 17°974 |
| 55206 | 12 | 7°036 | 23°435 | 55333 | 39 | 0°496 | 7°936 | 55405 | 12 | 5°804 | 12°995 | 55477 | 34 | 8°200 | 17°092 |
| 55207 | 39 | 8°074 | 23°351 | 55334 | 24 | 1°144 | 7°784 | 55406 | 40 | 7°660 | 12°963 | 55478 | 31 | 9°584 | 17°696 |
| 55208 | 33 | 9°229 | 23°375 | 55335 | 14 | 2°169 | 7°118 | 55407 | 41 | 8°768 | 12°846 | 55479 | 15 | 14°183 | 17°826 |
| 55209 | 34 | 9°243 | 23°922 | 55336 | 25 | 3°480 | 7°092 | 55408 | 13 | 10°697 | 12°334 | 55480 | 13 | 15°642 | 17°479 |
| 55210 | 21 | 9°908 | 23°180 | 55337 | 17 | 4°340 | 7°675 | 55409 | 14 | 12°666 | 12°736 | 55481 | 12 | 20°966 | 17°139 |
| 55211 | 26 | 10°464 | 23°742 | 55338 | 38 | 5°952 | 7°392 | 55410 | 11 | 15°937 | 12°978 | 55482 | 34 | 22°051 | 17°312 |
| 55212 | 33 | 11°406 | 23°636 | 55339 | 12 | 6°406 | 7°250 | 55411 | 43 | 16°205 | 12°758 | 55483 | 15 | 22°370 | 17°312 |
| 55213 | 18 | 17°366 | 23°338 | 55340 | 60 | 9°390 | 7°736 | 55412 | 15 | 16°572 | 12°666 | 55484 | 33 | 22°480 | 17°080 |
| 55214 | 18 | 18°324 | 23°460 | 55341 | 32 | 9°555 | 7°846 | 55413 | 11 | 17°076 | 12°640 | 55485 | 10 | 24°875 | 17°960 |
| 55215 | 15 | 18°694 | 23°914 | 55342 | 12 | 11°211 | 7°854 | 55414 | 20 | 17°869 | 12°600 | 55486 | 20 | 25°944 | 17°888 |
| 55216 | 36 | 10°824 | 23°253 | 55343 | 13 | 12°099 | 7°440 | 55415 | 35 | 25°004 | 12°242 | 55487 | 13 | 0°336 | 18°141 |
| 55217 | 16 | 25°184 | 23°008 | 55344 | 15 | 13°716 | 7°772 | 55416 | 12 | 25°615 | 12°366 | 55488 | 18 | 0°784 | 18°481 |
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| 55219 | 17 | 3°824 | 24°500 | 55346 | 10 | 18°580 | 7°895 | 55418 | 10 | 1°466 | 13°734 | 55490 | 16 | 3°807 | 18°222 |
| 55220 | 23 | 5°974 | 24°668 | 55347 | 33 | 19°632 | 7°734 | 55419 | 10 | 4°865 | 13°721 | 55491 | 32 | 4°158 | 18°672 |
| 55221 | 12 | 7°500 | 24°476 | 55348 | 32 | 19°928 | 7°852 | 55420 | 16 | 11°046 | 13°736 | 55492 | 13 | 5°186 | 18°714 |
| 55222 | 15 | 7°816 | 24°792 | 55349 | 11 | 21°255 | 7°207 | 55421 | 30 | 14°072 | 13°678 | 55493 | 17 | 6°912 | 18°592 |
| 55223 | 36 | 8°560 | 24°386 | 55350 | 29 | 22°685 | 7°216 | 55422 | 10 | 16°518 | 13°640 | 55494 | 33 | 9°106 | 18°544 |
| 55224 | 10 | 8°916 | 24°625 | 55351 | 41 | 24°748 | 7°146 | 55423 | 16 | 17°620 | 13°220 | 55495 | 11 | 10°676 | 18°088 |
| 55225 | 34 | 9°952 | 24°935 | 55352 | 12 | 13°321 | 2°448 | 55352 | 23 | 0°560 | 8°812 | 55424 | 13 | 18°725 | 13°936 |
| 55226 | 100 | 14°454 | 24°640 | 55353 | 10 | 15°303 | 2°707 | 55353 | 12 | 3°544 | 8°802 | 55425 | 11 | 21°315 | 13°110 |
| 55227 | 16 | 17°215 | 24°062 | 55354 | 10 | 15°636 | 2°091 | 55354 | 10 | 6°166 | 8°798 | 55426 | 19 | 21°642 | 13°958 |
| 55228 | 19 | 17°665 | 24°636 | 55355 | 16 | 16°364 | 2°157 | 55355 | 10 | 7°086 | 8°254 | 55427 | 17 | 21°896 | 13°278 |
| 55229 | 40 | 18°416 | 24°906 | 55356 | 50 | 20°906 | 2°804 | 55356 | 12 | 9°206 | 8°586 | 55428 | 28 | 22°117 | 13°784 |
| 55230 | 12 | 23°296 | 24°189 | 55357 | 28 | 21°473 | 2°658 | 55357 | 30 | 15°107 | 8°924 | 55429 | 43 | 22°752 | 13°696 |
| 55231 | 37 | 0°332 | 25°276 | 55358 | 34 | 23°872 | 2°071 | 55358 | 29 | 15°594 | 8°331 | 55430 | 31 | 23°306 | 13°848 |
| 55232 | 32 | 2°769 | 25°638 | 55359 | 17 | 0°962 | 3°601 | 55359 | 12 | 16°491 | 8°885 | 55431 | 11 | 0°306 | 14°662 |
| 55233 | 18 | 4°724 | 25°722 | 55360 | 25 | 2°509 | 3°027 | 55360 | 30 | 17°132 | 8°998 | 55432 | 12 | 0°327 | 14°322 |
| 55234 | 17 | 5°325 | 25°576 | 55361 | 57 | 2°816 | 3°136 | 55361 | 19 | 17°954 | 8°850 | 55433 | 11 | 1°976 | 14°324 |
| 55235 | 33 | 5°508 | 25°182 | 55362 | 31 | 3°275 | 3°624 | 55362 | 12 | 19°826 | 8°356 | 55434 | 24 | 2°032 | 14°104 |
| 55236 | 20 | 14°527 | 25°808 | 55363 | 39 | 8°688 | 3°600 | 55363 | 36 | 21°725 | 8°004 | 55435 | 46 | 2°577 | 14°155 |
| 55237 | 38 | 15°259 | 25°592 | 55364 | 10 | 9°790 | 3°076 | 55364 | 24 | 23°544 | 8°936 | 55436 | 26 | 4°149 | 14°470 |
| 55238 | 45 | 16°266 | 25°339 | 55365 | 36 | 10°842 | 3°609 | 55365 | 27 | 25°169 | 8°086 | 55437 | 11 | 5°219 | 14°980 |
| 55239 | 38 | 16°944 | 25°018 | 55366 | 29 | 13°155 | 3°165 | 55366 | 12 | 0°081 | 9°114 | 55438 | 29 | 5°445 | 14°334 |
| 55240 | 21 | 23°600 | 25°481 | 55367 | 29 | 18°054 | 3°467 | 55367 | 17 | 2°850 | 9°665 | 55439 | 19 | 7°445 | 14°836 |
| | | | | 55296 | 24 | 18°570 | 3°146 | 55368 | 10 | 3°526 | 9°686 | 55440 | 19 | 7°386 | 14°534 |
| | | | | 55297 | 18 | 24°179 | 3°319 | 55369 | 14 | 7°106 | 9°340 | 55441 | 10 | 8°300 | 14°376 |
| | | | | 55298 | 27 | 24°879 | 3°166 | 55370 | 18 | 7°340 | 9°382 | 55442 | 28 | 14°666 | 14°308 |
| | | | | 55299 | 29 | 25°394 | 3°258 | 55371 | 10 | 9°604 | 9°316 | 55443 | 47 | 14°773 | 14°728 |
| | | | | 55300 | 31 | 1°951 | 4°853 | 55372 | 22 | 11°370 | 9°638 | 55444 | 10 | 16°858 | 14°186 |
| | | | | 55301 | 10 | 2°593 | 4°346 | 55373 | 16 | 12°074 | 9°195 | 55445 | 60 | 18°792 | 14°039 |
| | | | | 55302 | 33 | 6°710 | 4°894 | 55374 | 12 | 17°165 | 9°104 | 55446 | 10 | 18°975 | 14°795 |
| | | | | 55303 | 23 | 7°544 | 4°356 | 55375 | 20 | 19°254 | 9°762 | 55447 | 32 | 19°022 | 14°426 |
| | | | | 55304 | 29 | 12°889 | 4°852 | 55376 | 36 | 21°734 | 9°521 | 55448 | 12 | 25°954 | 14°870 |
| | | | | 55305 | 10 | 18°874 | 4°663 | 55377 | 15 | 23°030 | 9°297 | 55449 | 19 | 1°140 | 15°372 |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
| 55522 | 14 | 10-613 | 20-424 | 55504 | 12 | 8-784 | 25-984 | 55692 | 12 | 18-063 | 5-900 | 55764 | 11 | 24-914 | 12-842 | 55836 | 14 | 24-952 | 20-210 |
| 55523 | 10 | 11-035 | 20-804 | 55505 | 37 | 9-016 | 25-864 | 55693 | 13 | 21-320 | 5-220 | 55765 | 12 | 25-082 | 12-484 | 55837 | 16 | 8-836 | 21-787 |
| 55524 | 13 | 13-520 | 20-742 | 55506 | 12 | 11-518 | 25-520 | 55694 | 14 | 22-927 | 5-650 | 55766 | 14 | 25-527 | 12-685 | 55838 | 13 | 9-482 | 21-601 |
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| 55527 | 40 | 14-930 | 20-002 | 55509 | 20 | 14-864 | 25-074 | 55697 | 28 | 5-550 | 6-550 | 55769 | 16 | 9-561 | 13-496 | 55841 | 11 | 15-704 | 21-220 |
| 55528 | 25 | 15-735 | 20-777 | 55510 | 12 | 14-886 | 25-222 | 55698 | 21 | 7-265 | 6-632 | 55770 | 16 | 15-058 | 13-765 | 55842 | 16 | 16-100 | 21-562 |
| 55529 | 14 | 17-705 | 20-364 | 55511 | 24 | 16-694 | 25-622 | 55699 | 10 | 12-208 | 6-546 | 55771 | 10 | 17-112 | 13-406 | 55843 | 11 | 16-761 | 21-892 |
| 55530 | 12 | 21-114 | 20-162 | 55512 | 30 | 18-579 | 25-805 | 55700 | 28 | 15-780 | 6-560 | 55772 | 12 | 17-878 | 13-366 | 55844 | 12 | 16-978 | 21-910 |
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| 55532 | 13 | 1-202 | 21-252 | 55514 | 12 | 22-325 | 25-869 | 55702 | 27 | 15-920 | 6-646 | 55774 | 52 | 22-080 | 13-112 | 55846 | 26 | 21-469 | 21-900 |
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R.A. 20^h 12^m

Plate 1263; 1918 Aug. 27.

Provisional Constants.

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Plate 1291; 1918 Dec. 4.

Provisional Constants.

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| 56609* | 31 | 12-575 | 1-392 | 56681 | 20 | 8-716 | 9-854 | 56753 | 16 | 14-255 | 16-358 | 56825 | 20 | 17-190 | 24-491 | 56889 | 22 | 16-602 | 3-982 |
| 56610 | 30 | 12-614 | 1-068 | 56682 | 17 | 18-238 | 9-642 | 56754 | 17 | 14-666 | 16-812 | 56826* | 33 | 20-932 | 24-522 | 56890 | 27 | 18-671 | 3-366 |
| 56611* | 30 | 12-648 | 1-840 | 56683 | 11 | 18-740 | 9-974 | 56755 | 15 | 14-823 | 16-148 | 56827 | 32 | 22-322 | 24-904 | 56891 | 12 | 19-531 | 3-373 |
| 56612 | 14 | 14-647 | 1-248 | 56684* | 31 | 19-983 | 9-485 | 56756 | 17 | 16-626 | 16-576 | 56828 | 18 | 22-475 | 24-932 | 56892 | 13 | 19-680 | 3-270 |
| 56613 | 12 | 24-395 | 1-551 | 56685 | 17 | 20-026 | 9-376 | 56757 | 33 | 17-522 | 16-461 | 56829 | 38 | 3-752 | 25-542 | 56893 | 12 | 19-849 | 3-390 |
| 56614 | 11 | 3-624 | 2-246 | 56686 | 14 | 24-538 | 9-808 | 56758 | 26 | 18-006 | 16-427 | 56830 | 31 | 8-208 | 25-467 | 56894 | 20 | 20-047 | 3-260 |
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| 56616 | 18 | 7-654 | 2-532 | 56688 | 26 | 3-186 | 10-834 | 56760 | 10 | 22-465 | 16-170 | 56832 | 16 | 25-116 | 25-036 | 56896 | 11 | 4-012 | 4-258 |
| 56617* | 33 | 10-770 | 2-750 | 56689 | 21 | 6-780 | 10-278 | 56761 | 21 | 23-195 | 16-072 | 56833 | 11 | 25-262 | 25-308 | 56897 | 22 | 9-092 | 4-060 |
| 56618 | 29 | 12-444 | 2-989 | 56690 | 25 | 10-080 | 10-300 | 56762* | 34 | 1-196 | 17-236 | 56834 | 35 | 25-446 | 25-266 | 56898 | 20 | 10-416 | 4-760 |
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| 56621 | 10 | 15-681 | 2-066 | 56693* | 36 | 17-048 | 10-838 | 56765 | 19 | 5-277 | 17-375 | | | | | 56901 | 10 | 18-588 | 4-507 |
| 56622* | 34 | 16-498 | 2-076 | 56694 | 12 | 22-658 | 10-504 | 56766 | 25 | 7-305 | 17-386 | | | | | 56902* | 48 | 18-903 | 4-422 |
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| 56624 | 10 | 24-951 | 2-960 | 56696* | 34 | 0-446 | 11-102 | 56768 | 16 | 11-857 | 17-618 | | | | | 56904 | 10 | 21-670 | 4-574 |
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| 56626 | 18 | 12-555 | 3-666 | 56698 | 16 | 16-724 | 11-996 | 56770 | 21 | 14-849 | 17-934 | | | | | 56906 | 14 | 23-028 | 4-858 |
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| 56628 | 16 | 14-984 | 3-593 | 56700 | 33 | 17-241 | 11-736 | 56772* | 41 | 23-989 | 17-475 | | | | | 56908 | 25 | 24-391 | 4-070 |
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| 56651 | 13 | 2-018 | 6-158 | 56723 | 14 | 15-502 | 14-826 | 56795 | 10 | 4-008 | 21-044 | | | | | 56931 | 12 | 25-472 | 6-256 |
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| 56654 | 12 | 10-444 | 6-146 | 56726 | 12 | 18-701 | 14-598 | 56798* | 32 | 9-204 | 21-476 | | | | | 56934 | 10 | 2-456 | 7-546 |
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| 56663 | 22 | 16-216 | 7-248 | 56735 | 23 | 4-688 | 15-364 | 56807* | 32 | 5-724 | 22-566 | | | | | 56943 | 24 | 1-629 | 8-582 |
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| 56667 | 32 | 23-568 | 7-204 | 56739 | 26 | 20-922 | 15-036 | 56811 | 17 | 16-248 | 22-182 | | | | | 56947 | 12 | 10-339 | 8-972 |
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| 56671* | 32 | 8-614 | 8-843 | 56743 | 25 | 25-764 | 15-004 | 56815 | 11 | 22-859 | 22-304 | | | | | 56951 | 17 | 15-308 | 8-678 |
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| 56673* | 35 | 14-716 | 8-888 | 5674 | | | | | | | | | | | | | | | |

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| 56957 | 13 | 4-536 | 9-689 | 57029 | 17 | 10-357 | 13-003 | 57101 | 15 | 1-714 | 18-320 | 57173 | 27 | 1-998 | 23-154 | 57271 | 13 | 9-868 | 2-450 |
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| 57404 | 10 | 11-202 | 17-184 | 57476 | 40 | 17-843 | 22-616 | | | | | 57643 | 11 | 21-776 | 7-864 | 57715 | 10 | 7-430 | 14-868 |
| 57405 | 12 | 11-450 | 17-808 | 57477 | 10 | 18-521 | 22-135 | | | | | 57644 | 12 | 25-326 | 7-184 | 57716 | 33 | 7-866 | 14-727 |
| 57406 | 17 | 12-704 | 17-584 | 57478 | 10 | 19-136 | 22-850 | | | | | 57645 | 41 | 2-180 | 8-635 | 57717 | 11 | 8-560 | 14-296 |
| 57407 | 42 | 13-100 | 17-600 | 57479 | 35 | 3-498 | 23-500 | | | | | 57646 | 24 | 10-237 | 8-192 | 57718 | 10 | 10-814 | 14-366 |
| 57408 | 34 | 13-726 | 17-785 | 57480 | 19 | 5-724 | 23-720 | | | | | 57647 | 11 | 11-618 | 8-684 | 57719 | 16 | 13-694 | 14-731 |
| 57409 | 19 | 18-431 | 17-683 | 57481 | 18 | 9-880 | 23-282 | | | | | 57648 | 16 | 16-118 | 8-660 | 57720 | 11 | 15-740 | 14-724 |
| 57410 | 35 | 21-040 | 17-456 | 57482 | 11 | 12-488 | 23-714 | | | | | | | | | | | | |

R.A. 20^h 52^m

Plate 1297; 1918 Dec. 12.

Provisional Constants.

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D E F

-0.01173 -0.01761 -0.0319

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57902 34 1.184 0.384

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57907 25 9.334 0.554

57908 15 11.503 0.734

57909 19 14.295 0.904

57910 14 16.703 0.778

57911 14 19.071 0.896

57912 30 19.602 0.900

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57915 16 23.598 0.792

57916 28 23.882 0.399

57917 14 1.949 1.614

57918 18 4.810 1.418

57919 16 5.195 1.398

57920 22 9.476 1.544

57921 24 10.115 1.788

57922 17 10.676 1.077

57923 25 11.508 1.526

57924 22 18.216 1.264

57925 44 21.134 1.312

57926 24 21.974 1.985

57927 15 4.527 2.545

57928 17 5.636 2.502

57929 19 5.638 2.831

57930 21 8.524 2.356

57931 24 10.198 2.316

57932 42 12.542 2.192

57933 17 13.844 2.026

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57935 30 16.154 2.604

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57939 16 25.146 2.448

57940 26 0.685 3.230

57941 14 5.960 3.073

57942 19 7.504 3.114

57943 22 7.904 3.456

57944 16 8.454 3.202

57945 17 8.792 3.300

57946 22 9.234 3.704

57947 22 11.894 3.566

57948 36 12.088 3.501

57949 22 12.808 3.083

57950 14 14.104 3.685

57951 20 16.021 3.738

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|-------|----|----------|----------|-------|----|----------|----------|-------|----|----------|----------|-------|----|----------|----------|-------|----|----------|----------|
| 58100 | 24 | 1°57'6" | 14°6'14" | 58172 | 12 | 21°59'5" | 18°9'54" | 58244 | 19 | 2°6'39" | 24°17'2" | 58327 | 30 | 4°46'9" | 5°6'00" | 58399 | 20 | 6°79'1" | 14°35'7" |
| 58101 | 31 | 2°22'6" | 14°6'66" | 58173 | 22 | 0°08'5" | 19°9'85" | 58245 | 13 | 5°03'4" | 24°45'7" | 58328 | 14 | 10°41'2" | 5°17'8" | 58400 | 14 | 7°22'6" | 14°59'7" |
| 58102 | 18 | 3°47'4" | 14°27'8" | 58174 | 15 | 1°36'9" | 19°24'0" | 58246 | 20 | 5°76'2" | 24°63'3" | 58329 | 11 | 12°01'3" | 5°28'5" | 58401 | 20 | 7°64'9" | 14°18'4" |
| 58103 | 82 | 4°9'03" | 14°74'2" | 58175 | 16 | 4°40'7" | 19°10'1" | 58247 | 21 | 9°69'7" | 24°03'0" | 58330 | 40 | 18°22'0" | 5°17'8" | 58402 | 22 | 7°01'9" | 14°69'7" |
| 58104 | 14 | 5°56'4" | 14°82'0" | 58176 | 16 | 6°51'6" | 19°74'6" | 58248 | 24 | 11°27'4" | 24°8'38" | 58331 | 22 | 21°60'2" | 5°84'2" | 58403 | 30 | 11°97'7" | 14°49'4" |
| 58105 | 18 | 5°83'2" | 14°79'0" | 58177 | 19 | 8°06'4" | 19°41'7" | 58249 | 16 | 11°53'7" | 24°07'4" | 58332 | 27 | 25°89'0" | 5°42'4" | 58404 | 17 | 16°47'2" | 14°28'3" |
| 58106 | 16 | 7°6'6" | 14°55'6" | 58178 | 15 | 9°66'1" | 19°06'9" | 58250 | 18 | 11°76'6" | 24°59'0" | 58333 | 16 | 25°99'8" | 5°74'0" | 58405 | 39 | 21°64'3" | 14°42'4" |
| 58107 | 52 | 11°71'4" | 14°59'2" | 58179 | 13 | 10°89'4" | 19°08'4" | 58251 | 15 | 12°31'0" | 24°51'4" | 58334 | 30 | 7°68'2" | 7°71'0" | 58406 | 17 | 22°44'2" | 14°24'4" |
| 58108 | 13 | 12°07'4" | 14°31'6" | 58180 | 14 | 10°93'9" | 19°05'6" | 58252 | 21 | 12°83'8" | 24°56'6" | 58335 | 58 | 8°23'5" | 6°71'8" | 58407 | 20 | 2°06'2" | 15°18'6" |
| 58109 | 18 | 12°79'3" | 14°55'6" | 58181 | 21 | 14°34'5" | 19°00'4" | 58253 | 14 | 12°93'7" | 24°65'3" | 58336 | 12 | 10°86'6" | 6°04'0" | 58408 | 14 | 12°42'6" | 15°82'1" |
| 58110 | 17 | 13°47'0" | 14°84'3" | 58182 | 23 | 14°58'6" | 19°43'2" | 58254 | 16 | 13°00'7" | 24°63'0" | 58337 | 12 | 13°31'3" | 6°05'8" | 58409 | 14 | 16°75'7" | 15°91'4" |
| 58111 | 21 | 15°13'4" | 14°36'1" | 58183 | 16 | 15°27'5" | 19°28'1" | 58255 | 24 | 14°33'4" | 24°95'4" | 58338 | 13 | 13°33'0" | 6°18'4" | 58410 | 10 | 18°75'6" | 15°72'1" |
| 58112 | 13 | 17°86'4" | 14°55'7" | 58184 | 36 | 17°34'6" | 19°08'8" | 58256 | 31 | 16°34'0" | 24°73'9" | 58339 | 9 | 15°13'4" | 6°05'0" | 58411 | 8 | 22°69'6" | 15°20'3" |
| 58113 | 12 | 18°07'0" | 14°66'6" | 58185 | 12 | 17°38'4" | 19°49'7" | 58257 | 28 | 17°60'0" | 24°01'6" | 58340 | 20 | 18°40'8" | 6°50'0" | 58412 | 25 | 24°66'6" | 15°60'4" |
| 58114 | 21 | 20°63'2" | 14°94'2" | 58186 | 34 | 17°58'6" | 19°19'3" | 58258 | 27 | 18°26'6" | 24°53'7" | 58341 | 13 | 18°42'2" | 6°16'6" | 58413 | 39 | 1°06'1" | 16°22'3" |
| 58115 | 24 | 21°36'3" | 14°69'4" | 58187 | 26 | 20°52'3" | 19°89'6" | 58259 | 48 | 19°36'4" | 24°28'6" | 58342 | 8 | 21°80'3" | 6°75'3" | 58414 | 12 | 6°97'1" | 16°35'2" |
| 58116 | 15 | 22°07'9" | 14°29'4" | 58188 | 19 | 21°14'3" | 19°27'4" | 58260 | 15 | 4°60'2" | 25°45'1" | 58343 | 31 | 2°24'2" | 7°24'2" | 58415 | 9 | 12°60'7" | 16°24'4" |
| 58117 | 18 | 23°62'6" | 14°42'3" | 58189 | 31 | 23°75'0" | 19°59'3" | 58261 | 16 | 8°81'0" | 25°93'4" | 58344 | 11 | 2°37'7" | 7°24'2" | 58416 | 15 | 16°58'6" | 16°66'4" |
| 58118 | 16 | 24°35'3" | 14°20'4" | 58190 | 21 | 3°51'0" | 20°85'1" | 58262 | 12 | 13°68'2" | 25°38'0" | 58345 | 10 | 3°37'7" | 7°38'2" | 58417 | 39 | 19°37'4" | 16°36'0" |
| 58119 | 16 | 24°72'2" | 14°31'8" | 58191 | 17 | 15°42'6" | 20°10'4" | 58263 | 28 | 19°24'3" | 25°00'4" | 58346 | 33 | 8°01'0" | 7°03'3" | 58418 | 9 | 23°52'3" | 16°42'4" |
| 58120 | 18 | 0°65'9" | 15°03'1" | 58192 | 23 | 15°51'8" | 20°65'9" | 58264 | 16 | 22°18'4" | 25°00'4" | 58347 | 12 | 13°74'0" | 7°95'8" | 58419 | 36 | 19°35'5" | 17°06'2" |
| 58121 | 50 | 4°25'4" | 15°41'2" | 58193 | 14 | 17°50'4" | 20°14'2" | 58265 | 28 | 22°87'3" | 25°37'4" | 58348 | 14 | 14°361' | 7°61'0" | 58420 | 12 | 25°33'6" | 17°15'8" |
| 58122 | 15 | 7°11'1" | 15°94'7" | 58194 | 25 | 18°37'6" | 20°42'3" | | | | | 58349 | 28 | 20°53'3" | 7°78'7" | 58421 | 17 | 4°83'8" | 18°93'8" |
| 58123 | 14 | 8°77'6" | 15°48'5" | 58195 | 12 | 20°20'6" | 20°38'7" | | | | | 58350 | 39 | 5°55'1" | 9°00'2" | 58422 | 9 | 7°75'4" | 18°74'9" |
| 58124 | 19 | 9°67'4" | 15°03'0" | 58196 | 19 | 22°61'8" | 20°06'4" | | | | | 58351 | 38 | 8°52'8" | 8°26'6" | 58423 | 10 | 8°56'6" | 18°07'8" |
| 58125 | 14 | 11°47'7" | 15°65'3" | 58197 | 16 | 22°85'4" | 20°06'6" | | | | | 58352 | 19 | 9°06'6" | 8°38'3" | 58424 | 27 | 12°39'3" | 18°16'7" |
| 58126 | 17 | 14°16'6" | 15°30'1" | 58198 | 12 | 23°36'6" | 20°20'3" | | | | | 58353 | 11 | 15°85'6" | 8°19'0" | 58425 | 57 | 17°88'2" | 18°25'9" |
| 58127 | 17 | 15°03'8" | 15°21'6" | 58199 | 35 | 24°96'6" | 20°01'0" | | | | | 58354 | 8 | 16°76'8" | 8°18'4" | 58426 | 32 | 19°79'6" | 18°70'1" |
| 58128 | 12 | 15°71'5" | 15°94'8" | 58200 | 17 | 25°06'6" | 20°08'7" | | | | | 58355 | 26 | 18°46'4" | 8°021' | 58427 | 8 | 20°14'2" | 18°78'4" |
| 58129 | 16 | 16°20'5" | 15°24'8" | 58201 | 16 | 0°64'4" | 21°52'2" | | | | | 58356 | 10 | 21°33'4" | 8°66'0" | 58428 | 11 | 24°46'2" | 18°67'8" |
| 58130 | 15 | 18°65'6" | 15°16'0" | 58202 | 16 | 34'41'6" | 21°54'5" | | | | | 58357 | 14 | 14°05'5" | 9°17'6" | 58429 | 27 | 1°27'3" | 19°67'0" |
| 58131 | 16 | 21°97'8" | 15°07'5" | 58203 | 31 | 4°74'9" | 21°35'2" | | | | | 58358 | 11 | 14°84'4" | 9°78'4" | 58430 | 24 | 15°42'7" | 19°18'3" |
| 58132 | 30 | 24°56'0" | 15°10'8" | 58204 | 15 | 5°04'5" | 21°05'8" | | | | | 58359 | 20 | 17°21'8" | 9°09'0" | 58431 | 20 | 16°55'0" | 19°37'2" |
| 58133 | 19 | 0°80'3" | 16°06'7" | 58205 | 14 | 9°70'4" | 21°65'4" | | | | | 58360 | 11 | 17°65'8" | 9°12'4" | 58432 | 9 | 20°70'4" | 19°18'6" |
| 58134 | 12 | 2°31'6" | 16°97'4" | 58206 | 23 | 11°03'6" | 21°20'2" | | | | | 58361 | 10 | 18°31'8" | 9°62'3" | 58433 | 20 | 22°32'6" | 19°80'8" |
| 58135 | 20 | 2°86'2" | 16°25'5" | 58207 | 14 | 11°51'5" | 21°32'6" | | | | | 58362 | 29 | 19°59'2" | 9°87'4" | 58434 | 10 | 24°29'8" | 19°14'8" |
| 58136 | 16 | 4°32'4" | 16°35'4" | 58208 | 14 | 15°79'8" | 21°09'9" | | | | | 58363 | 12 | 19°76'6" | 10°86'7" | 58435 | 36 | 24°83'1" | 20°08'6" |
| 58137 | 15 | 4°91'3" | 16°42'4" | 58209 | 24 | 19°24'8" | 21°83'0" | | | | | 58364 | 8 | 4°11'0" | 10°25'1" | 58436 | 23 | 2°52'0" | 20°16'3" |
| 58138 | 38 | 6°82'6" | 16°49'8" | 58210 | 28 | 22°90'0" | 21°57'8" | | | | | 58365 | 34 | 5°30'8" | 10°20'2" | 58437 | 8 | 2°91'0" | 20°75'6" |
| 58139 | 36 | 12°46'4" | 16°18'6" | 58211 | 30 | 25°53'0" | 21°08'7" | | | | | 58366 | 32 | 7°78'7" | 10°06'1" | 58438 | 54 | 4°66'2" | 20°12'5" |
| 58140 | 18 | 14°22'0" | 16°27'7" | 58212 | 31 | 3°50'6" | 22°32'6" | | | | | 58367 | 31 | 7°06'6" | 10°56'5" | 58439 | 42 | 5°05'0" | 20°65'6" |
| 58141 | 13 | 16°70'1" | 16°44'6" | 58213 | 14 | 3°90'8" | 22°64'6" | | | | | 58368 | 9 | 14°10'6" | 10°61'7" | 58440 | 26 | 9°20'8" | 20°81'1" |
| 58142 | 48 | 16°82'5" | 16°10'6" | 58214 | 23 | 5°98'1" | 22°50'2" | | | | | 58369 | 9 | 17°84'7" | 10°04'4" | 58441 | 20 | 9°24'0" | 20°98'2" |
| 58143 | 15 | 16°87'4" | 16°43'4" | 58215 | 16 | 13°43'8" | 22°68'2" | | | | | 58370 | 19 | 21°20'0" | 10°02'3" | 58442 | 20 | 11°36'2" | 20°15'0" |
| 58144 | 16 | 18°30'0" | 16°60'3" | 58216 | 19 | 16°56'5" | 22°29'2" | | | | | 58371 | 38 | 23°57'4" | 10°43'7" | 58443 | 23 | 14°19'6" | 20°98'4" |
| 58145 | 13 | 19°73'4" | 16°23'7" | 58217 | 34 | 18°09'8" | 22°20'4" | | | | | 58372 | 30 | 24°11'4" | 10°23'0" | 58444 | 8 | 14°43'5" | 20°52'6" |
| 58146 | 12 | 23°11'5" | 16°22'6" | 58218 | 14 | 21°63'5" | 22°51'4" | | | | | 58373 | 40 | 25°97'0" | 10°01'2" | 58445 | 20 | 0°42'2" | 21°65'8" |
| 58147 | 38 | 23°50'2" | 16°14'4" | 58219 | 13 | 23°04'6" | 22°09'4" | | | | | 58374 | 9 | 4°30'9" | 11°51'8" | 58446 | 30 | 3°05'1" | 21°16'2" |
| 58148 | 15 | 23°94'0" | 16°43'8" | 58220 | 27 | 24°17'1" | 22°36'2" | | | | | 58375 | 48 | 8°77'6" | 11°57'7" | 58447 | 17 | 8°15'4" | 21°61'1" |
| 58149 | 22 | 23°46'0" | 17°07'4" | 58221 | 20 | 0°33'1" | 23°64'8" | | | | | 58376 | 16 | 20°74'0" | 11°70'8" | 58448 | 20 | 8°34'8" | 21°09'0" |
| 58150 | 57 | 3°03'3" | 17°14'9" | 58222 | 18 | 0°60'8" | 23°70'3" | | | | | 58377 | 22 | 23°36'4" | 11°34'0" | 58449 | 25 | 17°65'7" | 21°40'4" |
| 58151 | 16 | 6°20'2" | 17°21'0" | 58223 | 14 | 1°38'6" | 23°15'6" | | | | | 58378 | 22 | 1°09'8" | 12°68'5" | 58450 | 13 | 22°00'8" | 21°20'0" |
| 58152 | 30 | 7°55'3" | 17°45'9" | 58224 | 12 | 5°01'6" | 23°54'0" | | | | | 58379 | 14 | 4°68'2" | 12°76'4" | 58451 | 13 | 23°25'4" | 21°91'8" |
| 58153 | 34 | 8°57'8" | 17°54'6" | 58225 | 16 | 7°10'6" | 23°26'2" | | | | | 58380 | 11 | 6°04'8" | 12°74'7" | 58452 | 18 | 1°69'5" | 22°44'1" |
| 58154 | 18 | 11°41'4" | 17°06'3" | 58226 | 14 | 8°14'0" | 23°62'8" | | | | | 58381 | 16 | 9°05'0" | 12°30'0" | 58453 | 9 | 9°80'8" | 22°07'2" |
| 58155 | 16 | 12°06'6" | 17°89'5" | 58227 | 36 | 9°21'6" | 23°97'0" | | | | | 58382 | 35 | 21°95'4" | 12°82'3" | 58454 | 31 | 13°13'4" | 22°87'4" |
| 58156 | 96 | 18°38'0" | 17°52'8" | 58228 | 16 | 10°86'5" | 23°28'4" | | | | | 58383 | 22 | 24°44'2" | 12°04'3" | 58455 | 35 | 17°15'6" | 22°93'0" |
| 58157 | 17 | 18°60'6" | 17°18'0" | 58229 | 30 | 11°50'7" | 23°75'6" | | | | | 58384 | 36 | 24°52'5" | 12°09'4" | 58456 | 32 | 19°62'6" | 22°25'8" |
| 58158 | 36 | 19°82'4" | 17°42'2" | 58230 | 12 | 12°46'2" | 23°22'3" | | | | | 58385 | 18 | 8°60'5" | 12°17'2" | 58457 | 26 | 23°17'2" | 22°69'3" |
| 58159 | 34 | 20°25'4" | 17°55'4" | 58231 | 20 | 12°72'4" | 23°61'6" | | | | | 58386 | 12 | 8°65'4" | 13°40'8" | 58458 | 13 | 23°90'2" | 22°99'8" |
| 58160 | 16 | 22°16'8" | 17°81'4" | 58232 | 34 | 14°33'1" | 23°06'2" | | | | | 58387 | 35 | 9°50'4" | 13°76'8" | 58459 | 32 | 2°33'1" | 23°34'4" |
| 58161 | 59 | 14°84'1" | 18°55'5" | 58233 | 14 | 15°05'6" | 23°30'6" | | | | | 58388 | 32 | 11°30'6" | 13°84'0" | 58460 | 28 | 3°21'6" | 23°99'8" |
| 58162 | 18 | 2°04'4" | 18°80'0" | 58234 | 18 | 17°34'4" | 23°31'8" | | | | | 58389 | 10 | 12°55'3" | 13°81'8" | 58461 | 24 | 9°22'6" | 23°42'4" |
| 58163 | 23 | 4°16'5" | 18°94'6" | 58235 | 37 | 18°12'6" | 23°39'3" | | | | | 58390 | 22 | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|-------|----|--------|--------|
| 58471 | 10 | 2-008 | 25-072 | 58542* | 37 | 7-000 | 5-895 | 58614 | 10 | 19-166 | 11-322 | 58686 | 28 | 2-516 | 18-670 | 58758 | 32 | 11-197 | 25-770 |
| 58472 | 43 | 6-287 | 25-720 | 58543 | 12 | 8-076 | 5-108 | 58615 | 26 | 20-903 | 11-538 | 58687 | 21 | 5-514 | 18-080 | 58759 | 13 | 13-541 | 25-841 |
| 58473 | 20 | 7-344 | 25-766 | 58544 | 32 | 13-826 | 5-618 | 58616 | 15 | 24-530 | 11-616 | 58688 | 11 | 10-441 | 18-566 | 58760 | 13 | 19-210 | 25-373 |
| 58474 | 34 | 8-269 | 25-044 | 58545 | 34 | 14-070 | 5-162 | 58617 | 26 | 24-946 | 11-718 | 58689 | 16 | 12-804 | 18-150 | 58761 | 12 | 21-943 | 25-484 |
| 58475 | 21 | 12-664 | 25-372 | 58546 | 17 | 19-742 | 5-487 | 58618 | 31 | 2-388 | 12-035 | 58690 | 29 | 13-804 | 18-629 | | | | |
| 58476 | 34 | 15-996 | 25-542 | 58547 | 32 | 20-170 | 5-596 | 58619 | 37 | 2-471 | 12-084 | 58691 | 26 | 21-960 | 18-024 | | | | |
| 58477 | 26 | 19-584 | 25-856 | 58548* | 98 | 25-124 | 5-200 | 58620 | 12 | 16-489 | 12-086 | 58692 | 32 | 0-400 | 19-834 | | | | |
| | | | | 58549 | 31 | 5-369 | 6-090 | 58621 | 12 | 22-028 | 12-984 | 58693 | 25 | 2-358 | 19-142 | | | | |
| | | | | 58550 | 29 | 12-849 | 6-534 | 58622 | 14 | 22-806 | 12-182 | 58694 | 16 | 4-112 | 19-584 | | | | |
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R.A. 21^h 16^m

Plate 1277; 1918 Oct. 28.

Provisional Constants.

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| | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|-------|-------|----|--------|--------|
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|-------|----|--------|--------|-------|-----|--------|--------|--------------------------------------|--|--|--|-------|----|--------|--------|-------|-----|--------|--------|
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| 59562 | 16 | 25-045 | 14-926 | 59634 | 12 | 14-134 | 20-299 | Plate 1280; 1918 Oct. 30. | | | | 59807 | 20 | 25-890 | 5-996 | 59879 | 11 | 11-701 | 12-695 |
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| 60019 | 11 | 4-336 | 25-132 | | | | | 60157 | 22 | 12-898 | 10-933 | 60229 | 10 | 0-925 | 18-161 | | | </ | |

R.A. 21^h 56^m

Plate 1286; 1918 Nov. 22.

Provisional Constants.

| | | |
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| | | |
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| D | E | F |
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Mag. = 16.2 - 1.09√d

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| 60305 | 38 | 13.396 | 0.046 |
| 60306 | 11 | 17.554 | 0.448 |
| 60307 | 12 | 20.442 | 0.978 |
| 60308 | 10 | 1.796 | 1.722 |
| 60309 | 25 | 8.852 | 1.660 |
| 60310 | 23 | 12.878 | 1.620 |
| 60311 | 19 | 13.662 | 1.478 |
| 60312 | 18 | 14.105 | 1.346 |
| 60313 | 14 | 14.796 | 1.212 |
| 60314 | 16 | 18.976 | 1.691 |
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| 60316 | 30 | 21.774 | 1.221 |
| 60317 | 33 | 21.885 | 1.420 |
| 60318 | 40 | 3.073 | 2.046 |
| 60319 | 19 | 6.835 | 2.178 |
| 60320 | 21 | 14.650 | 2.812 |
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| 60322 | 10 | 22.208 | 2.490 |
| 60323 | 31 | 23.203 | 2.900 |
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| 60325 | 15 | 12.158 | 3.781 |
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| 60327 | 16 | 23.109 | 3.438 |
| 60328 | 24 | 24.618 | 3.776 |
| 60329 | 12 | 7.852 | 4.140 |
| 60330 | 48 | 20.174 | 4.263 |
| 60331 | 22 | 22.403 | 4.140 |
| 60332 | 30 | 23.275 | 4.148 |
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| 60334 | 15 | 5.443 | 5.344 |
| 60335 | 70 | 14.575 | 5.316 |
| 60336 | 19 | 14.850 | 5.654 |
| 60337 | 14 | 18.448 | 5.272 |
| 60338 | 24 | 18.905 | 5.570 |
| 60339 | 14 | 0.266 | 6.574 |
| 60340 | 40 | 6.938 | 6.445 |
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| 60343 | 12 | 17.378 | 6.470 |
| 60344 | 23 | 18.195 | 6.779 |
| 60345 | 30 | 1.670 | 7.709 |
| 60346 | 24 | 7.357 | 7.910 |
| 60347 | 31 | 7.404 | 7.214 |
| 60348 | 14 | 23.676 | 7.156 |
| 60349 | 20 | 24.994 | 7.658 |
| 60350 | 28 | 25.010 | 7.604 |
| 60351 | 20 | 0.354 | 8.284 |
| 60352 | 22 | 4.634 | 8.656 |
| 60353 | 33 | 7.303 | 8.860 |
| 60354 | 18 | 11.650 | 8.735 |
| 60355 | 13 | 18.220 | 8.060 |

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| 60356 | 10 | 21.318 | 8.127 |
| 60357 | 11 | 8.064 | 9.508 |
| 60358 | 12 | 8.960 | 9.078 |
| 60359 | 11 | 11.808 | 9.020 |
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| 60426 | 20 | 19.820 | 19.758 |
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| 60465 | 13 | 15.258 | 24.199 |
| 60466 | 22 | 15.289 | 24.220 |
| 60467 | 20 | 17.640 | 24.726 |
| 60468 | 25 | 25.739 | 24.008 |
| 60469 | 24 | 0.822 | 25.518 |
| 60470 | 47 | 5.326 | 25.475 |
| 60471 | 13 | 7.224 | 25.802 |
| 60472 | 28 | 15.615 | 25.940 |
| 60473 | 20 | 15.944 | 25.059 |

R.A. 22^h 4^m

Plate 1141; 1917 Nov. 17.

Provisional Constants.

| | | |
|--------|--------|-------|
| A | B | C |
| -02544 | +01095 | -3150 |

| | | |
|--------|--------|-------|
| D | E | F |
| -01037 | -02542 | +0470 |

Mag. = 16.4 - 1.09√d

| No. | d | x | y |
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| 60501 | 10 | 0.757 | 0.152 |
| 60502 | 16 | 8.918 | 0.268 |
| 60503 | 16 | 9.120 | 0.772 |
| 60504 | 29 | 15.049 | 0.488 |

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| 60505 | 16 | 19.678 | 0.972 |
| 60506 | 25 | 15.626 | 1.080 |
| 60507 | 14 | 15.818 | 1.788 |
| 60508 | 18 | 15.916 | 1.618 |
| 60509 | 31 | 17.198 | 1.415 |
| 60510 | 10 | 20.405 | 1.558 |
| 60511 | 13 | 21.554 | 1.791 |
| 60512 | 16 | 21.863 | 1.850 |
| 60513 | 19 | 24.886 | 1.952 |
| 60514 | 12 | 10.688 | 2.958 |
| 60515 | 19 | 12.438 | 2.460 |
| 60516 | 14 | 16.732 | 2.394 |
| 60517 | 16 | 18.754 | 2.522 |
| 60518 | 22 | 21.048 | 2.136 |
| 60519 | 20 | 0.654 | 3.712 |
| 60520 | 33 | 0.682 | 3.180 |
| 60521 | 10 | 0.804 | 3.812 |
| 60522 | 30 | 2.904 | 3.631 |
| 60523 | 31 | 5.473 | 3.858 |
| 60524 | 12 | 5.598 | 3.935 |
| 60525 | 10 | 5.707 | 3.352 |
| 60526 | 11 | 5.966 | 3.476 |
| 60527 | 24 | 23.452 | 3.773 |
| 60528 | 20 | 24.793 | 3.480 |
| 60529 | 31 | 0.770 | 4.414 |
| 60530 | 23 | 4.934 | 4.472 |
| 60531 | 18 | 4.770 | 4.418 |
| 60532 | 31 | 8.662 | 4.770 |
| 60533 | 47 | 8.999 | 4.708 |
| 60534 | 18 | 14.638 | 4.550 |
| 60535 | 10 | 19.385 | 4.286 |
| 60536 | 11 | 20.497 | 4.333 |
| 60537 | 40 | 3.735 | 5.122 |
| 60538 | 12 | 6.198 | 5.234 |
| 60539 | 43 | 7.984 | 5.854 |
| 60540 | 30 | 9.493 | 5.784 |
| 60541 | 11 | 9.595 | 5.046 |
| 60542 | 32 | 11.007 | 5.452 |
| 60543 | 40 | 13.699 | 5.518 |
| 60544 | 20 | 17.417 | 5.660 |
| 60545 | 43 | 17.960 | 5.862 |
| 60546 | 11 | 18.574 | 5.278 |
| 60547 | 22 | 18.864 | 5.176 |
| 60548 | 16 | 20.186 | 5.302 |
| 60549 | 20 | 21.564 | 5.112 |
| 60550 | 11 | 4.951 | 6.202 |
| 60551 | 21 | 10.231 | 6.672 |
| 60552 | 41 | 14.174 | 6.548 |
| 60553 | 35 | 18.888 | 6.284 |
| 60554 | 44 | 21.022 | 6.923 |
| 60555 | 22 | 1.208 | 7.396 |
| 60556 | 30 | 5.524 | 7.872 |
| 60557 | 36 | 2.539 | 7.828 |
| 60558 | 15 | 3.086 | 7.400 |
| 60559 | 11 | 3.406 | 7.583 |
| 60560 | 16 | 5.732 | 7.921 |
| 60561 | 12 | 5.920 | 7.966 |
| 60562 | 18 | 7.251 | 7.258 |
| 60563 | 17 | 9.110 | 7.639 |
| 60564 | 12 | 11.819 | 7.312 |
| 60565 | 11 | 13.651 | 7.530 |
| 60566 | 22 | 18.696 | 7.316 |
| 60567 | 18 | 19.374 | 7.064 |
| 60568 | 27 | 20.512 | 7.636 |
| 60569 | 23 | 19.646 | 8.426 |
| 60570 | 36 | 20.321 | 8.106 |
| 60571 | 23 | 8.065 | 9.300 |
| 60572 | 26 | 20.644 | 9.528 |
| 60573 | 20 | 2.834 | 10.124 |
| 60574 | 24 | 4.168 | 10.360 |
| 60575 | 10 | 4.379 | 10.736 |
| 60576 | 21 | 5.920 | 10.683 |

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|--------|----|--------|--------|--|--------|--------|--------|--------|-------|--------|--------|--------|-------|----|--------|-------|
| 60649 | 21 | 10-062 | 18-906 | R.A. 22^h 12^m Plate 1148; 1917 Dec. 2. <i>Provisional Constants.</i> A B C -02542 + 00999 -1174 D E F -00898 -02560 -0224 $Mag. = 15.9 - 1.09\sqrt{d}$ | 60806 | 20 | 7-892 | 12-482 | 60878 | 14 | 17-854 | 24-818 | 60939 | 14 | 9-714 | 6-400 |
| 60650 | 19 | 10-508 | 18-258 | | 60807* | 38 | 23-616 | 12-588 | 60879 | 24 | 19-055 | 24-012 | 60940 | 34 | 10-355 | 6-640 |
| 60651 | 22 | 11-584 | 18-141 | | 60808 | 12 | 23-874 | 12-380 | 60880 | 24 | 0-676 | 25-745 | 60941 | 15 | 13-454 | 6-682 |
| 60652* | 44 | 12-114 | 18-108 | | 60809 | 21 | 1-128 | 13-485 | 60881 | 30 | 1-716 | 25-201 | 60942 | 27 | 21-080 | 6-876 |
| 60653 | 30 | 12-340 | 18-242 | | 60810 | 24 | 3-231 | 13-800 | 60882 | 15 | 4-884 | 25-684 | 60943 | 12 | 22-427 | 6-018 |
| 60654 | 27 | 13-112 | 18-573 | | 60811 | 20 | 6-279 | 13-166 | 60883 | 12 | 6-664 | 25-947 | 60944 | 25 | 23-726 | 6-988 |
| 60655 | 17 | 17-492 | 18-309 | | 60812 | 11 | 7-066 | 13-632 | 60884 | 17 | 6-914 | 25-342 | 60945 | 25 | 1-464 | 7-336 |
| 60656 | 23 | 17-014 | 18-827 | | 60813 | 12 | 7-416 | 13-345 | 60885 | 45 | 7-512 | 25-906 | 60946 | 37 | 2-584 | 7-628 |
| 60657 | 17 | 20-428 | 18-682 | | 60814 | 14 | 14-074 | 13-584 | 60886 | 11 | 9-554 | 25-600 | 60947 | 27 | 5-116 | 7-066 |
| 60658 | 19 | 20-936 | 18-758 | | 60815 | 10 | 15-176 | 13-380 | 60887 | 33 | 15-596 | 25-524 | 60948 | 31 | 5-254 | 7-907 |
| 60659 | 11 | 22-317 | 18-498 | R.A. 22^h 20^m Plate 1151; 1917 Dec. 3. <i>Provisional Constants.</i> A B C -02498 + 00919 -2080 D E F -00822 -02535 + 2194 $Mag. = 16.5 - 1.09\sqrt{d}$ | 60816 | 11 | 18-527 | 13-124 | 60949 | 11 | 8-750 | 7-349 | | | | |
| 60660 | 22 | 23-076 | 18-500 | | 60817* | 37 | 5-172 | 14-835 | 60950 | 11 | 10-411 | 7-950 | | | | |
| 60661 | 16 | 0-206 | 19-513 | | 60818 | 16 | 8-525 | 14-715 | 60951 | 29 | 12-800 | 7-492 | | | | |
| 60662 | 20 | 1-058 | 19-188 | | 60819 | 19 | 10-654 | 14-272 | 60952 | 11 | 10-411 | 7-950 | | | | |
| 60663 | 31 | 1-875 | 19-550 | | 60820 | 13 | 15-883 | 15-140 | 60953 | 29 | 12-800 | 7-492 | | | | |
| 60664 | 13 | 2-412 | 19-407 | | 60821 | 10 | 16-060 | 15-048 | 60954 | 14 | 23-715 | 7-054 | | | | |
| 60665 | 30 | 5-223 | 19-818 | | 60822 | 18 | 20-855 | 15-478 | 60955 | 21 | 23-929 | 7-336 | | | | |
| 60666 | 17 | 6-714 | 19-400 | | 60823 | 24 | 21-155 | 15-282 | 60956 | 28 | 2-504 | 8-052 | | | | |
| 60667* | 43 | 9-415 | 19-343 | | 60824 | 16 | 21-702 | 15-933 | 60957 | 24 | 6-492 | 8-122 | | | | |
| 60668 | 18 | 12-168 | 19-417 | | 60825 | 16 | 21-976 | 15-041 | 60958 | 15 | 6-954 | 8-168 | | | | |
| 60669 | 32 | 20-493 | 19-456 | 70826* | 24 | 5-485 | 16-061 | 60959 | 16 | 10-228 | 8-124 | | | | | |
| 60670 | 29 | 23-906 | 19-547 | 60827 | 29 | 12-344 | 16-026 | 60960 | 18 | 14-200 | 8-006 | | | | | |
| 60671 | 33 | 24-184 | 19-560 | 60828 | 20 | 15-118 | 16-216 | 60961 | 26 | 16-200 | 8-160 | | | | | |
| 60672 | 13 | 24-363 | 19-937 | 60829 | 12 | 20-480 | 16-222 | 60962* | 36 | 19-889 | 8-596 | | | | | |
| 60673 | 20 | 1-704 | 20-130 | 60830 | 11 | 24-176 | 16-786 | 60963 | 10 | 2-546 | 9-690 | | | | | |
| 60674 | 19 | 2-014 | 20-123 | 60831 | 27 | 4-022 | 17-262 | 60964 | 31 | 9-081 | 9-527 | | | | | |
| 60675 | 15 | 2-042 | 20-606 | 60832 | 15 | 10-538 | 17-960 | 60965 | 16 | 12-995 | 9-068 | | | | | |
| 60676 | 11 | 5-801 | 20-184 | 60833 | 14 | 10-573 | 17-273 | 60966 | 14 | 16-771 | 9-068 | | | | | |
| 60677 | 29 | 9-714 | 20-450 | 60834 | 20 | 11-406 | 17-392 | 60967 | 27 | 19-672 | 9-228 | | | | | |
| 60678 | 38 | 14-872 | 20-900 | 60835 | 12 | 15-554 | 17-775 | 60968 | 39 | 4-046 | 10-326 | | | | | |
| 60679 | 10 | 17-872 | 20-782 | 60836 | 11 | 17-732 | 17-172 | 60969 | 30 | 5-530 | 10-552 | | | | | |
| 60680 | 23 | 25-390 | 20-480 | 60837 | 11 | 18-501 | 17-131 | 60970 | 12 | 5-738 | 10-805 | | | | | |
| 60681 | 21 | 25-883 | 20-143 | 60838 | 20 | 18-532 | 17-012 | 60971 | 12 | 9-586 | 10-831 | | | | | |
| 60682 | 22 | 0-548 | 21-222 | 60839 | 10 | 20-252 | 17-606 | 60972 | 12 | 11-074 | 10-100 | | | | | |
| 60683 | 34 | 8-674 | 21-062 | 60840 | 11 | 21-392 | 17-326 | 60973 | 12 | 12-054 | 10-479 | | | | | |
| 60684 | 10 | 11-524 | 21-060 | 60841 | 12 | 1-187 | 18-657 | 60974 | 20 | 19-375 | 10-356 | | | | | |
| 60685 | 38 | 20-838 | 21-338 | 60842 | 12 | 5-026 | 18-745 | 60975 | 27 | 22-610 | 10-816 | | | | | |
| 60686 | 12 | 24-043 | 21-620 | 60843 | 11 | 5-338 | 18-861 | 60976 | 36 | 25-176 | 10-686 | | | | | |
| 60687 | 30 | 25-924 | 21-037 | 60844 | 21 | 13-928 | 18-877 | 60977 | 19 | 3-005 | 11-106 | | | | | |
| 60688 | 56 | 25-978 | 21-212 | 60845 | 12 | 15-616 | 18-634 | 60978 | 24 | 5-500 | 11-243 | | | | | |
| 60689 | 31 | 0-496 | 22-661 | 60846 | 20 | 15-811 | 18-645 | 60979 | 23 | 7-972 | 11-426 | | | | | |
| 60690 | 34 | 5-498 | 22-884 | 60847 | 20 | 2-027 | 19-694 | 60980 | 13 | 8-725 | 11-325 | | | | | |
| 60691 | 18 | 6-148 | 22-948 | 60848 | 23 | 3-304 | 19-705 | 60981* | 44 | 14-383 | 11-180 | | | | | |
| 60692 | 20 | 8-505 | 22-791 | 60849 | 37 | 8-412 | 19-120 | 60982 | 12 | 19-779 | 11-904 | | | | | |
| 60693 | 22 | 10-024 | 22-799 | 60850 | 11 | 9-088 | 19-674 | 60983 | 33 | 24-386 | 11-344 | | | | | |
| 60694 | 24 | 20-657 | 22-350 | 60851 | 24 | 9-164 | 19-794 | 60984 | 35 | 25-474 | 11-796 | | | | | |
| 60695 | 33 | 23-542 | 22-718 | 60852 | 13 | 9-282 | 19-170 | 60985 | 21 | 1-656 | 12-812 | | | | | |
| 60696 | 28 | 8-668 | 23-964 | 60853 | 21 | 16-258 | 19-508 | 60986 | 13 | 7-836 | 12-686 | | | | | |
| 60697 | 22 | 24-912 | 23-588 | 60854 | 12 | 3-522 | 20-615 | 60987 | 17 | 9-481 | 12-549 | | | | | |
| 60698 | 15 | 2-070 | 24-812 | 60855 | 22 | 14-995 | 20-716 | 60988 | 15 | 14-306 | 12-976 | | | | | |
| 60699 | 32 | 3-490 | 24-090 | 60856* | 35 | 21-175 | 20-746 | 60989 | 10 | 16-998 | 12-452 | | | | | |
| 60700 | 20 | 7-176 | 24-758 | 60857 | 20 | 21-280 | 20-255 | 60990 | 24 | 17-458 | 12-402 | | | | | |
| 60701 | 27 | 11-921 | 24-400 | 60858 | 24 | 4-061 | 21-164 | 60991 | 24 | 21-951 | 12-844 | | | | | |
| 60702 | 13 | 15-007 | 24-649 | 60859* | 73 | 4-111 | 21-340 | 60992 | 12 | 22-115 | 12-718 | | | | | |
| 60703 | 13 | 10-228 | 24-546 | 60860 | 11 | 5-545 | 21-656 | 60993* | 46 | 1-396 | 13-024 | | | | | |
| 60704 | 35 | 16-408 | 24-582 | 60861 | 14 | 11-705 | 21-236 | 60994 | 15 | 6-964 | 13-266 | | | | | |
| 60705 | 15 | 16-562 | 24-594 | 60862 | 22 | 1-698 | 22-867 | 60995 | 12 | 9-468 | 13-130 | | | | | |
| 60706 | 19 | 17-363 | 24-194 | 60863 | 15 | 8-248 | 22-201 | 60996 | 21 | 14-974 | 13-613 | | | | | |
| 60707 | 20 | 18-248 | 24-537 | 60864 | 14 | 11-294 | 22-974 | 60997 | 21 | 22-512 | 13-957 | | | | | |
| 60708 | 20 | 19-456 | 24-702 | 60865 | 13 | 3-076 | 23-724 | 60998 | 12 | 23-380 | 13-149 | | | | | |
| 60709 | 12 | 22-632 | 24-426 | 60866 | 11 | 6-244 | 23-560 | 60999 | 34 | 12-760 | 14-934 | | | | | |
| 60710 | 35 | 5-252 | 25-570 | 60867 | 12 | 9-146 | 23-485 | 61000 | 25 | 15-186 | 14-665 | | | | | |
| 60711* | 55 | 6-898 | 25-036 | 60868 | 15 | 11-178 | 23-784 | 61001 | 12 | 15-188 | 14-688 | | | | | |
| 60712 | 25 | 7-433 | 25-658 | 60869 | 31 | 12-505 | 23-065 | 61002 | 35 | 15-432 | 14-914 | | | | | |
| 60713 | 11 | 7-947 | 25-331 | 60870 | 52 | 25-275 | 23-454 | 61003* | 47 | 16-217 | 14-634 | | | | | |
| 60714 | 14 | 9-442 | 25-512 | 60871 | 13 | 4-460 | 24-792 | 61004 | 17 | 18-964 | 14-896 | | | | | |
| 60715 | 11 | 21-844 | 25-866 | 60872 | 19 | 5-126 | 24-714 | 61005 | 16 | 24-905 | 15-931 | | | | | |
| 60716 | 32 | 22-492 | 25-586 | 60873 | 10 | 5-464 | 24-066 | 61006 | 11 | 1-482 | 15-934 | | | | | |
| 60717 | 40 | 23-539 | 25-050 | 60874 | 22 | 5-762 | 24-456 | 61007 | 12 | 6-970 | 15-966 | | | | | |
| 60718 | 10 | 25-878 | 25-718 | 60875 | 11 | 9-387 | 24-296 | 61008 | 29 | 9-194 | 15-726 | | | | | |
| | | | | 60876 | 28 | 9-700 | 24-616 | 61009 | 29 | 13-436 | 15-132 | | | | | |
| | | | | 60877 | 12 | 10-296 | 24-376 | 60938 | 14 | 15-605 | 15-821 | | | | | |

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| 61011 | 40 | 22-024 | 15-464 | 61083 | 17 | 15-994 | 24-471 | 61141 | 28 | 16-485 | 6-226 | 61213 | 24 | 10-084 | 18-457 | 61310 | 9 | 10-758 | 1-566 |
| 61012 | 26 | 25-156 | 15-032 | 61084 | 15 | 20-546 | 24-384 | 61142 | 17 | 1-550 | 7-218 | 61214 | 18 | 18-870 | 18-008 | 61311 | 33 | 10-412 | 1-390 |
| 61013 | 22 | 6-706 | 16-448 | 61085 | 25 | 4-578 | 25-362 | 61143 | 18 | 1-565 | 7-150 | 61215 | 28 | 22-260 | 18-699 | 61312 | 20 | 25-162 | 1-178 |
| 61014 | 17 | 10-012 | 16-046 | 61086 | 32 | 9-549 | 25-027 | 61144 | 18 | 1-770 | 7-490 | 61216 | 26 | 2-230 | 19-129 | 61313 | 22 | 10-594 | 2-110 |
| 61015 | 14 | 14-374 | 16-924 | 61087 | 41 | 10-786 | 25-702 | 61145 | 21 | 4-635 | 7-344 | 61217 | 25 | 2-411 | 19-204 | 61314 | 42 | 19-230 | 2-308 |
| 61016 | 28 | 4-356 | 17-075 | 61088 | 28 | 12-399 | 25-733 | 61146 | 18 | 15-780 | 7-448 | 61218 | 25 | 3-518 | 19-055 | 61315 | 10 | 4-032 | 3-062 |
| 61017 | 13 | 9-869 | 17-102 | 61089 | 22 | 16-268 | 25-602 | 61147 | 15 | 16-674 | 7-207 | 61219 | 34 | 6-392 | 19-714 | 61316 | 10 | 10-310 | 3-040 |
| 61018 | 14 | 10-414 | 17-496 | 61090 | 15 | 23-959 | 25-588 | 61148 | 13 | 17-864 | 7-078 | 61220 | 12 | 7-220 | 19-524 | 61317 | 18 | 13-248 | 3-587 |
| 61019 | 34 | 12-026 | 17-838 | | | | | 61149 | 21 | 5-100 | 8-620 | 61221 | 19 | 8-301 | 19-758 | 61318 | 31 | 13-328 | 3-372 |
| 61020 | 31 | 22-258 | 17-668 | | | | | 61150 | 19 | 8-401 | 8-120 | 61222 | 20 | 9-578 | 19-366 | 61319 | 14 | 14-391 | 3-818 |
| 61021 | 36 | 24-854 | 17-434 | | | | | 61151 | 20 | 9-141 | 8-933 | 61223 | 16 | 10-470 | 19-724 | 61320 | 27 | 17-944 | 3-581 |
| 61022 | 31 | 25-148 | 17-566 | | | | | 61152 | 17 | 9-774 | 8-261 | 61224 | 42 | 15-418 | 19-364 | 61321 | 8 | 23-956 | 3-165 |
| 61023 | 12 | 25-686 | 17-960 | | | | | 61153 | 39 | 16-174 | 8-620 | 61225 | 14 | 24-922 | 19-530 | 61322 | 17 | 1-752 | 4-773 |
| 61024 | 12 | 1-456 | 18-418 | | | | | 61154 | 21 | 17-658 | 8-836 | 61226 | 25 | 25-928 | 19-650 | 61323 | 8 | 1-836 | 4-125 |
| 61025 | 15 | 7-910 | 18-974 | | | | | 61155 | 20 | 19-350 | 8-035 | 61227 | 14 | 4-298 | 20-386 | 61324 | 49 | 6-194 | 4-666 |
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| 61027 | 18 | 11-765 | 18-396 | | | | | 61157 | 40 | 21-322 | 8-674 | 61229 | 22 | 10-984 | 20-951 | 61326 | 35 | 8-812 | 4-767 |
| 61028 | 36 | 16-006 | 18-944 | | | | | 61158 | 17 | 5-712 | 9-173 | 61230 | 18 | 13-686 | 20-134 | 61327 | 16 | 7-840 | 5-162 |
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| 61030 | 12 | 17-700 | 18-906 | | | | | 61160 | 24 | 15-505 | 9-061 | 61232 | 42 | 5-648 | 21-014 | 61329 | 9 | 13-410 | 5-782 |
| 61031 | 40 | 17-896 | 18-052 | | | | | 61161 | 19 | 18-540 | 9-686 | 61233 | 17 | 9-970 | 21-658 | 61330 | 36 | 17-678 | 5-174 |
| 61032 | 15 | 22-930 | 18-015 | | | | | 61162 | 19 | 23-336 | 9-223 | 61234 | 33 | 12-450 | 21-831 | 61331 | 9 | 2-801 | 6-800 |
| 61033 | 33 | 24-244 | 18-976 | | | | | 61163 | 16 | 0-491 | 10-995 | 61235 | 20 | 16-534 | 21-451 | 61332 | 9 | 4-744 | 6-967 |
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| 61036 | 12 | 7-360 | 19-592 | | | | | 61166 | 24 | 8-413 | 10-350 | 61238 | 48 | 11-924 | 23-364 | 61335 | 24 | 20-598 | 6-605 |
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| 61038 | 16 | 16-690 | 19-888 | | | | | 61168 | 26 | 20-536 | 10-088 | 61240 | 22 | 22-408 | 23-364 | 61337 | 21 | 5-970 | 7-080 |
| 61039 | 30 | 24-421 | 19-051 | | | | | 61169 | 56 | 21-518 | 10-214 | 61241 | 30 | 23-506 | 23-774 | 61338 | 23 | 9-176 | 7-626 |
| 61040 | 16 | 0-866 | 20-212 | | | | | 61170 | 24 | 2-276 | 11-500 | 61242 | 16 | 6-100 | 24-094 | 61339 | 17 | 16-128 | 7-886 |
| 61041 | 26 | 5-753 | 20-653 | | | | | 61171 | 28 | 3-367 | 11-936 | 61243 | 38 | 6-606 | 24-501 | 61340 | 32 | 17-123 | 7-590 |
| 61042 | 11 | 6-837 | 20-173 | | | | | 61172 | 21 | 6-520 | 11-334 | 61244 | 18 | 12-588 | 24-421 | 61341 | 25 | 4-124 | 8-272 |
| 61043 | 31 | 9-048 | 20-776 | | | | | 61173 | 19 | 8-183 | 11-514 | 61245 | 16 | 25-038 | 24-661 | 61342 | 9 | 7-378 | 8-553 |
| 61044 | 18 | 13-797 | 20-062 | | | | | 61174 | 19 | 10-702 | 11-903 | 61246 | 17 | 1-050 | 25-816 | 61343 | 18 | 12-992 | 8-032 |
| 61045 | 37 | 14-756 | 20-919 | | | | | 61175 | 23 | 16-184 | 11-654 | 61247 | 22 | 2-037 | 25-744 | 61344 | 31 | 19-359 | 8-390 |
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| 61050 | 24 | 21-120 | 20-088 | | | | | 61180 | 15 | 19-210 | 12-964 | | | | | 61349 | 20 | 3-965 | 9-138 |
| 61051 | 29 | 9-138 | 21-954 | | | | | 61181 | 17 | 1-291 | 13-316 | | | | | 61350 | 29 | 17-476 | 9-783 |
| 61052 | 31 | 11-186 | 21-546 | | | | | 61182 | 30 | 6-358 | 13-124 | | | | | 61351 | 28 | 6-707 | 10-662 |
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| 61054 | 37 | 14-820 | 21-906 | | | | | 61184 | 22 | 7-620 | 13-770 | | | | | 61353 | 31 | 17-150 | 10-188 |
| 61055 | 29 | 16-850 | 21-898 | | | | | 61185 | 23 | 11-656 | 13-406 | | | | | 61354 | 47 | 19-680 | 10-276 |
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-19-

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|----|--------|--------|---|--|--|--|--|--|--|--|--|--|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
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| 61430 | 39 | 21-474 | 22-142 | | | | | | | | | | | 61554 | 12 | 18-984 | 15-116 | | | | | 61717 | 21 | 12-332 | 9-580 |
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| | | | | | | | | | | | | | | | |
|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|-------|----|--------|--------|
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| 61782 | 10 | 8-472 | 18-080 | | | | | 61908 | 28 | 18-032 | 10-222 | 61980 | 51 | 19-994 | 21-318 |
| 61783 | 15 | 8-624 | 18-127 | | | | | 61909 | 14 | 18-269 | 10-728 | 61981 | 68 | 0-316 | 22-906 |
| 61784 | 13 | 11-081 | 18-555 | | | | | 61910 | 20 | 21-218 | 10-011 | 61982 | 10 | 5-366 | 22-360 |
| 61785 | 18 | 11-316 | 18-850 | | | | | 61911 | 15 | 25-378 | 10-526 | 61983 | 27 | 6-614 | 22-625 |
| 61786 | 32 | 13-267 | 18-226 | | | | | 61912 | 25 | 5-884 | 11-750 | 61984 | 60 | 7-204 | 22-504 |
| 61787 | 43 | 14-481 | 18-539 | | | | | 61913 | 26 | 7-433 | 11-450 | 61985 | 18 | 15-592 | 22-882 |
| 61788 | 22 | 16-749 | 18-390 | | | | | 61914 | 37 | 12-181 | 11-405 | 61986 | 52 | 3-650 | 23-919 |
| 61789 | 17 | 0-769 | 19-533 | | | | | 61915 | 50 | 13-486 | 11-404 | 61987 | 20 | 4-734 | 23-464 |
| 61790 | 21 | 1-102 | 19-718 | | | | | 61916 | 24 | 15-360 | 11-268 | 61988 | 52 | 5-478 | 23-316 |
| 61791 | 20 | 3-885 | 19-583 | | | | | 61917 | 14 | 16-931 | 11-538 | 61989 | 10 | 18-856 | 23-922 |
| 61792 | 40 | 4-464 | 19-420 | | | | | 61918 | 18 | 20-106 | 11-376 | 61990 | 51 | 7-220 | 24-422 |
| 61793 | 20 | 15-230 | 19-655 | | | | | 61919 | 52 | 3-612 | 12-607 | 61991 | 60 | 16-084 | 24-250 |
| 61794 | 12 | 17-404 | 19-403 | | | | | 61920 | 27 | 5-574 | 12-836 | 61992 | 14 | 16-166 | 24-668 |
| 61795 | 16 | 18-706 | 19-886 | | | | | 61921 | 43 | 6-390 | 12-150 | 61993 | 17 | 0-973 | 25-744 |
| 61796 | 11 | 19-534 | 19-905 | | | | | 61922 | 12 | 3-436 | 13-000 | | | | |
| 61797 | 70 | 3-516 | 20-958 | | | | | 61923 | 98 | 5-026 | 13-478 | | | | |
| 61798 | 25 | 4-756 | 20-659 | | | | | 61924 | 20 | 5-184 | 13-257 | | | | |
| 61799 | 20 | 7-600 | 20-597 | | | | | 61925 | 24 | 7-654 | 13-354 | | | | |
| 61800 | 20 | 9-384 | 20-585 | | | | | 61926 | 11 | 10-238 | 13-580 | | | | |
| 61801 | 13 | 9-610 | 20-844 | | | | | 61927 | 39 | 16-931 | 13-864 | | | | |
| 61802 | 12 | 12-586 | 20-034 | | | | | 61928 | 11 | 0-867 | 14-290 | | | | |
| 61803 | 24 | 12-634 | 20-960 | | | | | 61929 | 51 | 5-922 | 14-640 | | | | |
| 61804 | 12 | 12-933 | 20-144 | | | | | 61930 | 22 | 7-064 | 14-342 | | | | |
| 61805 | 10 | 14-102 | 20-602 | | | | | 61931 | 27 | 14-342 | 14-812 | | | | |
| 61806 | 18 | 16-734 | 20-259 | | | | | 61932 | 23 | 27-560 | 14-844 | | | | |
| 61807 | 40 | 17-716 | 20-045 | | | | | 61933 | 49 | 23-851 | 14-588 | | | | |
| 61808 | 21 | 23-282 | 20-792 | | | | | 61934 | 15 | 6-550 | 15-306 | | | | |
| 61809 | 22 | 24-436 | 20-695 | | | | | 61935 | 25 | 11-922 | 15-930 | | | | |
| 61810 | 24 | 24-834 | 20-943 | | | | | 61936 | 12 | 14-972 | 15-349 | | | | |
| 61811 | 20 | 2-083 | 21-092 | | | | | 61937 | 20 | 22-081 | 15-192 | | | | |
| 61812 | 20 | 5-854 | 21-768 | | | | | 61938 | 11 | 22-238 | 15-036 | | | | |

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|-------------------------------------|----|----------|--------|
| R.A. 23 ^h 8 ^m | | | |
| Plate 1147; 1917 Dec. 1. | | | |
| Provisional Constants. | | | |
| A | B | C | |
| ---02542 + 00508 ---1194 | | | |
| D | E | F | |
| ---00463 ---02536 + 0783 | | | |
| Mag.=16.7-1.09√d | | | |
| No. | d | s | y |
| 62001 | 52 | 0-327 | 0-774 |
| 62002 | 42 | 3-690 | 0-934 |
| 62003 | 14 | 4-410 | 0-304 |
| 62004 | 34 | 14-155 | 0-238 |
| 62005 | 54 | 15-592 | 0-066 |
| 62006 | 36 | 5-064 | 1-454 |
| 62007 | 17 | 12-046 | 1-545 |
| 62008 | 28 | 14-048 | 1-444 |
| 62009 | 28 | 24-736 | 1-066 |
| 62010 | 41 | 3-051 | 2-034 |
| 62011 | 58 | 5-315 | 2-259 |
| 62012 | 21 | 23-775 | 2-902 |
| 62013 | 18 | 24-240 | 2-370 |
| 62014 | 56 | 4-169 | 3-188 |
| 62015 | 22 | 6-824 | 3-136 |
| 62016 | 26 | 9-684 | 3-806 |
| 62017 | 23 | 13-130 | 3-205 |
| 62018 | 28 | 13-170 | 3-168 |
| 62019 | 37 | 6-146 | 4-168 |
| 62020 | 22 | 15-842 | 4-047 |
| 62021 | 56 | 20-816 | 4-286 |
| 62022 | 14 | 24-524 | 4-014 |
| 62023 | 38 | 11-424 | 5-758 |
| 62024 | 14 | 3-637 | 6-732 |
| 62025 | 28 | 5-250 | 6-834 |
| 62026 | 18 | 5-132 | 6-442 |
| 62027 | 38 | 7-546 | 6-338 |
| 62028 | 15 | 19-822 | 6-952 |
| 62029 | 37 | 22-340 | 6-495 |
| 62030 | 26 | 5-264 | 7-414 |
| 62031 | 36 | 9-064 | 7-958 |
| 62032 | 38 | 20-150 | 7-510 |
| 62033 | 29 | 5-995 | 8-844 |
| 62034 | 18 | 12-167 | 8-840 |
| 62035 | 17 | 14-350 | 8-281 |
| 62036 | 12 | 16-331 | 8-382 |
| 62037 | 23 | 17-470 | 8-952 |
| 62038 | 15 | 17-865 | 8-145 |
| 62039 | 24 | 11-508 | 9-934 |
| 62040 | 25 | 15-521 | 9-776 |
| 62041 | 64 | 23-550 | 9-207 |
| 62042 | 25 | 3-363 | 10-666 |
| 62043 | 36 | 8-086 | 10-856 |
| 62044 | 24 | 11-777 | 10-614 |
| 62045 | 14 | 24-611 | 10-714 |
| 62046 | 14 | 4-644 | 11-984 |
| 62047 | 15 | 7-068 | 11-442 |
| 62048 | 15 | 8-177 | 11-578 |
| 62049 | 66 | 12-586 | 11-686 |
| 62050 | 18 | 20-516</ | |

R.A. 23^h 0^m

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Provisional Constants.

A B C
-02550 -00195 -1840D E F
+00220 -02562 -1541

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| No. | d | s | y |
|--------|----|--------|-------|
| 61851 | 26 | 6-602 | 0-013 |
| 61852 | 11 | 8-592 | 0-065 |
| 61853 | 18 | 8-629 | 0-444 |
| 61854 | 18 | 14-520 | 0-000 |
| 61855 | 13 | 15-083 | 0-459 |
| 61856 | 10 | 17-718 | 0-071 |
| 61857* | 56 | 22-525 | 0-586 |
| 61858 | 40 | 25-878 | 0-805 |
| 61859 | 8 | 0-882 | 1-738 |
| 61860 | 16 | 5-177 | 1-018 |
| 61861 | 26 | 6-870 | 1-414 |
| 61862 | 11 | 11-445 | 1-416 |
| 61863 | 16 | 21-960 | 1-351 |
| 61864 | 40 | 25-220 | 1-899 |
| 61865 | 16 | 1-635 | 2-199 |
| 61866 | 15 | 4-276 | 2-800 |

| | | | | | | | | | | | | | | | | | | | |
|--------|----|---------|---------|--------|----|--------|--------|--------|----|---------|---------|--------|----|---------|---------|--------|----|---------|---------|
| 62056 | 19 | 15°09' | 12°15' | 62128 | 18 | 20°03' | 23°47' | 62188 | 10 | 18°64' | 6°31' | 62260 | 22 | 6°62' | 17°28' | 62354 | 27 | 10°92' | 0°34' |
| 62057 | 22 | 2°18' | 12°11' | 62129 | 16 | 20°08' | 23°44' | 62189 | 20 | 21°34' | 6°71' | 62261 | 17 | 12°21' | 17°31' | 62355 | 38 | 17°57' | 0°62' |
| 62058* | 36 | 9°01' | 13°24' | 62130 | 25 | 20°10' | 23°44' | 62190 | 11 | 7°09' | 7°09' | 62262 | 23 | 12°64' | 17°66' | 62356 | 26 | 19°71' | 0°37' |
| 62059 | 28 | 12°31' | 13°41' | 62131 | 36 | 24°06' | 23°07' | 62191 | 16 | 12°33' | 7°12' | 62263 | 27 | 12°94' | 17°82' | 62357 | 17 | 21°05' | 0°45' |
| 62060 | 16 | 13°23' | 13°37' | 62132* | 52 | 4°50' | 24°51' | 62192 | 16 | 4°59' | 8°68' | 62264 | 13 | 21°72' | 17°84' | 62358 | 12 | 2°62' | 1°04' |
| 62061 | 18 | 13°86' | 13°07' | 62133 | 18 | 12°11' | 24°04' | 62193* | 67 | 7°48' | 8°34' | 62265 | 24 | 24°98' | 17°78' | 62359 | 15 | 11°40' | 1°28' |
| 62062 | 14 | 14°52' | 13°06' | 62134 | 26 | 19°50' | 24°44' | 62194 | 24 | 12°33' | 8°20' | 62266 | 14 | 1°40' | 18°67' | 62360 | 20 | 16°08' | 1°62' |
| 62063 | 10 | 16°80' | 13°04' | 62135 | 20 | 5°04' | 25°06' | 62195 | 10 | 19°74' | 8°34' | 62267 | 25 | 11°05' | 18°22' | 62361 | 26 | 17°02' | 1°21' |
| 62064 | 17 | 18°04' | 13°03' | 62136 | 38 | 10°86' | 25°55' | 62196 | 27 | 22°87' | 8°40' | 62268 | 22 | 11°36' | 18°14' | 62362 | 35 | 19°65' | 1°06' |
| 62065 | 15 | 25°32' | 13°64' | 62137 | 20 | 11°14' | 25°36' | 62197* | 47 | 23°60' | 8°61' | 62269 | 29 | 16°50' | 18°26' | 62363 | 30 | 21°04' | 1°88' |
| 62066* | 46 | 1°10' | 14°75' | 62138 | 19 | 24°01' | 25°08' | 62198 | 10 | 24°95' | 8°63' | 62270 | 10 | 10°22' | 19°40' | 62364 | 22 | 25°24' | 1°14' |
| 62067* | 42 | 0°43' | 14°96' | | | | | 62199 | 10 | 0°94' | 9°22' | 62271* | 52 | 11°75' | 19°02' | 62365 | 25 | 25°61' | 1°13' |
| 62068 | 14 | 10°44' | 14°41' | | | | | 62200* | 48 | 1°21' | 9°21' | 62272 | 14 | 18°93' | 19°40' | 62366* | 35 | 7°27' | 2°89' |
| 62069 | 15 | 11°81' | 14°73' | | | | | 62201 | 17 | 6°09' | 9°32' | 62273 | 12 | 20°56' | 19°74' | 62367 | 10 | 7°32' | 2°81' |
| 62070 | 23 | 19°79' | 14°72' | | | | | 62202 | 34 | 6°50' | 9°28' | 62274 | 20 | 0°93' | 20°07' | 62368 | 22 | 10°97' | 2°96' |
| 62071 | 13 | 20°39' | 14°14' | | | | | 62203 | 14 | 7°79' | 9°27' | 62275 | 20 | 2°24' | 20°45' | 62369 | 25 | 11°49' | 2°41' |
| 62072 | 20 | 21°02' | 14°44' | | | | | 62204 | 12 | 13°16' | 9°86' | 62276 | 9 | 6°88' | 20°20' | 62370 | 47 | 21°91' | 2°97' |
| 62073 | 27 | 22°74' | 14°46' | | | | | 62205 | 11 | 15°78' | 9°86' | 62277 | 20 | 16°31' | 20°74' | 62371 | 25 | 22°93' | 2°49' |
| 62074 | 13 | 24°61' | 14°29' | | | | | 62206 | 10 | 16°56' | 9°69' | 62278* | 45 | 19°51' | 20°45' | 62372 | 28 | 0°35' | 3°27' |
| 62075 | 25 | 0°15' | 15°39' | | | | | 62207 | 10 | 2°49' | 10°82' | 62279 | 23 | 20°20' | 20°43' | 62373* | 43 | 0°54' | 3°30' |
| 62076 | 26 | 2°37' | 15°26' | | | | | 62208 | 19 | 9°00' | 10°77' | 62280 | 27 | 25°80' | 20°47' | 62374 | 21 | 4°17' | 3°48' |
| 62077* | 39 | 3°75' | 15°63' | | | | | 62209 | 12 | 9°28' | 10°39' | 62281 | 17 | 2°04' | 21°86' | 62375 | 15 | 6°05' | 3°54' |
| 62078* | 37 | 6°34' | 15°91' | | | | | 62210 | 17 | 21°86' | 10°37' | 62282 | 25 | 9°06' | 21°84' | 62376 | 28 | 15°07' | 3°91' |
| 62079 | 16 | 8°30' | 15°33' | | | | | 62211 | 11 | 0°38' | 11°46' | 62283 | 22 | 11°08' | 21°17' | 62377 | 12 | 23°72' | 3°10' |
| 62080 | 26 | 8°70' | 15°34' | | | | | 62212 | 15 | 4°73' | 11°45' | 62284* | 33 | 11°36' | 21°19' | 62378* | 42 | 23°72' | 3°14' |
| 62081 | 17 | 25°21' | 15°42' | | | | | 62213 | 22 | 5°41' | 11°50' | 62285 | 14 | 20°19' | 21°16' | 62379 | 9 | 3°77' | 4°94' |
| 62082 | 17 | 25°09' | 15°40' | | | | | 62214 | 21 | 6°04' | 11°58' | 62286 | 17 | 23°16' | 21°32' | 62380 | 14 | 6°83' | 4°23' |
| 62083 | 56 | 0°99' | 16°21' | | | | | 62215 | 11 | 8°38' | 11°64' | 62287 | 22 | 2°74' | 22°69' | 62381 | 12 | 11°44' | 4°88' |
| 62084 | 15 | 1°85' | 16°42' | | | | | 62216 | 30 | 8°63' | 11°57' | 62288 | 22 | 6°08' | 22°72' | 62382 | 32 | 19°84' | 4°58' |
| 62085 | 26 | 2°125' | 16°24' | | | | | 62217 | 22 | 1°07' | 12°23' | 62289 | 28 | 6°129' | 22°04' | 62383 | 12 | 5°52' | 5°57' |
| 62086 | 15 | 3°71' | 16°05' | | | | | 62218 | 22 | 4°505' | 12°405' | 62290* | 36 | 21°817' | 22°978' | 62384 | 9 | 7°857' | 5°374' |
| 62087 | 23 | 6°476' | 16°431' | | | | | 62219 | 10 | 4°984' | 12°695' | 62291 | 34 | 2°046' | 23°788' | 62385 | 12 | 12°936' | 5°054' |
| 62088 | 36 | 10°872' | 16°326' | | | | | 62220* | 39 | 5°116' | 12°047' | 62292 | 9 | 2°335' | 23°234' | 62386 | 10 | 17°975' | 5°552' |
| 62089 | 12 | 11°562' | 16°348' | | | | | 62221 | 31 | 7°694' | 12°769' | 62293 | 19 | 11°408' | 23°170' | 62387 | 17 | 19°472' | 5°642' |
| 62090 | 17 | 21°474' | 16°637' | | | | | 62222 | 31 | 11°619' | 12°080' | 62294 | 14 | 15°607' | 23°038' | 62388 | 32 | 10°675' | 5°440' |
| 62091 | 14 | 21°617' | 16°637' | | | | | 62223 | 25 | 20°022' | 12°226' | 62295 | 28 | 17°010' | 23°111' | 62389 | 9 | 20°564' | 5°580' |
| 62092* | 32 | 23°526' | 16°391' | | | | | 62224 | 9 | 20°312' | 12°752' | 62296 | 13 | 20°240' | 23°574' | 62390 | 37 | 21°934' | 5°166' |
| 62093* | 39 | 24°874' | 16°166' | | | | | 62225 | 26 | 22°520' | 12°366' | 62297 | 18 | 21°101' | 23°463' | 62391 | 51 | 22°256' | 5°305' |
| 62094 | 13 | 0°853' | 17°120' | | | | | 62226 | 11 | 3°227' | 13°743' | 62298 | 28 | 6°344' | 24°881' | 62392 | 10 | 24°886' | 5°300' |
| 62095 | 31 | 10°908' | 17°244' | | | | | 62227* | 50 | 7°660' | 13°955' | 62299 | 9 | 7°737' | 24°971' | 62393 | 30 | 6°888' | 6°762' |
| 62096 | 16 | 13°362' | 17°380' | | | | | 62228* | 41 | 11°739' | 13°810' | 62300 | 20 | 10°340' | 24°040' | 62394 | 15 | 7°494' | 6°538' |
| 62097* | 52 | 16°085' | 17°594' | | | | | 62229* | 56 | 11°754' | 13°816' | 62301 | 22 | 14°970' | 24°259' | 62395 | 11 | 16°750' | 6°936' |
| 62098 | 16 | 18°666' | 17°120' | | | | | 62230 | 22 | 13°149' | 13°408' | 62302 | 20 | 17°780' | 24°080' | 62396* | 41 | 17°303' | 6°904' |
| 62099 | 16 | 18°723' | 17°101' | | | | | 62231 | 21 | 21°724' | 13°098' | 62303 | 12 | 19°006' | 24°795' | 62397 | 37 | 23°312' | 6°470' |
| 62100* | 56 | 22°868' | 17°582' | | | | | 62232 | 26 | 0°650' | 14°591' | 62304 | 21 | 2°919' | 25°190' | 62398 | 31 | 8°196' | 7°208' |
| 62101* | 40 | 5°965' | 18°180' | | | | | 62233 | 10 | 2°527' | 14°414' | 62305 | 12 | 7°428' | 25°047' | 62399 | 22 | 9°748' | 7°254' |
| 62102 | 36 | 8°636' | 18°546' | | | | | 62234 | 9 | 3°170' | 14°222' | 62306 | 34 | 9°925' | 25°786' | 62400 | 18 | 13°992' | 7°562' |
| 62103 | 17 | 9°504' | 18°185' | | | | | 62235 | 19 | 14°918' | 14°701' | 62307 | 25 | 22°493' | 25°182' | 62401 | 26 | 15°961' | 7°994' |
| 62104 | 30 | 15°630' | 18°586' | | | | | 62236 | 13 | 21°703' | 14°506' | | | | | 62402 | 31 | 25°290' | 7°770' |
| 62105 | 28 | 18°960' | 18°916' | | | | | 62237 | 11 | 21°884' | 14°334' | | | | | 62403* | 50 | 1°337' | 8°782' |
| 62106 | 23 | 23°455' | 18°555' | | | | | 62238 | 8 | 25°806' | 14°697' | | | | | 62404 | 13 | 2°686' | 8°778' |
| 62107 | 47 | 0°228' | 19°654' | | | | | 62239 | 13 | 3°133' | 15°539' | | | | | 62405 | 27 | 6°292' | 8°752' |
| 62108 | 18 | 1°942' | 19°434' | | | | | 62240 | 21 | 3°614' | 15°599' | | | | | 62406 | 19 | 6°877' | 8°338' |
| 62109 | 36 | 3°956' | 19°046' | | | | | 62241 | 3 | 6°292' | 15°980' | | | | | 62407 | 11 | 6°933' | 8°536' |
| 62110 | 28 | 6°013' | 19°304' | | | | | 62242* | 36 | 6°862' | 15°603' | | | | | 62408 | 24 | 11°732' | 8°259' |
| 62111 | 26 | 13°516' | 19°395' | | | | | 62243 | 21 | 7°146' | 15°752' | | | | | 62409 | 32 | 12°140' | 8°656' |
| 62112* | 30 | 2°074' | 20°805' | | | | | 62244 | 14 | 8°933' | 15°630' | | | | | 62410 | 12 | 21°598' | 8°194' |
| 62113 | 24 | 8°945' | 20°387' | | | | | 62245 | 20 | 10°932' | 15°534' | | | | | 62411* | 45 | 22°644' | 8°114' |
| 62114 | 20 | 12°871' | 20°626' | | | | | 62246 | 24 | 11°876' | 15°373' | | | | | 62412 | 30 | 23°486' | 8°288' |
| 62115 | 20 | 24°284' | 20°335' | | | | | 62247* | 73 | 20°563' | 15°543' | | | | | 62413 | 28 | 0°614' | 9°122' |
| 62116 | 36 | 14°334' | 21°583' | | | | | 62248 | 10 | 22°346' | 15°200' | | | | | 62414 | 33 | 3°756' | 9°022' |
| 62117 | 38 | 14°907' | 21°994' | | | | | 62249 | 18 | 25°485' | 15°742' | | | | | 62415 | 23 | 9°544' | 9°806' |
| 62118 | 19 | 16°730' | 21°690' | | | | | 62250* | 32 | 1°453' | 16°510' | | | | | 62416 | 32 | 15°629' | 9°047' |
| 62119 | 19 | 17°620' | 21°655' | | | | | 62251 | 14 | 2°640' | 16°111' | | | | | 62417 | 10 | 17°832' | 9°788' |
| 62120 | 26 | 5°116' | 22°500' | | | | | 62252* | 35 | 2°796' | 16°277' | | | | | 62418 | 32 | 18°125' | 9°634' |
| 62121 | 18 | 5°726' | 22°200' | | | | | 62253 | 30 | 4°461' | 16°386' | | | | | 62419 | 21 | 19°924' | 9°253' |
| 62122 | 19 | 8°896' | 22°272' | | | | | 62254 | 13 | 4°930' | 16°582' | | | | | 62420 | 20 | 23°096' | 9°988' |
| 62123 | 44 | 11°812' | 22°144' | | | | | 62255 | 19 | 16°802' | 16°293' | | | | | 62421 | 20 | 10°258' | 10°711' |
| 62124 | 14 | 15°642' | 22°375' | | | | | 62256 | 32 | 23°142' | 16°878' | | | | | 62422 | 24 | 21°623' | 10°492' |
| 62125 | 30 | 24°298' | 22°576' | | | | | 62257 | 27 | 23°146' | 16°638' | | | | | 62423 | 12 | 19°743' | 11°214' |
| 62126 | 20 | 16°836' | 23°392' | | | | | 62258* | 56 | 0°798' | 17°708' | | | | | 62424 | 37 | 24°594' | 11°957' |
| 62127 | 41 | 17°382' | 23°036' | | | | | 62259* | 50 | 4°992' | 17°324' | | | | | 62425 | 26 | 0°323' | 12°554' |

R.A. 23^h 16^m

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Provisional Constants.

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|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|-----|--------|--------|
| 62426 | 16 | 2-833 | 12-970 | 62498* | 40 | 11-490 | 23-756 | 62583* | 48 | 4-270 | 5-602 | 62655 | 28 | 7-358 | 17-464 | 62707 | 30 | 3-452 | 1-584 |
| 62427 | 12 | 8-806 | 12-312 | 62499 | 12 | 13-974 | 23-856 | 62584 | 44 | 10-706 | 5-573 | 62656 | 11 | 8-087 | 17-028 | 62708 | 15 | 14-726 | 1-732 |
| 62428 | 16 | 9-079 | 12-476 | 62500 | 12 | 16-870 | 23-357 | 62585 | 24 | 12-854 | 5-674 | 62657 | 21 | 8-300 | 17-976 | 62709 | 21 | 15-749 | 1-048 |
| 62429 | 31 | 10-652 | 12-071 | 62501 | 17 | 8-912 | 24-124 | 62586 | 28 | 18-816 | 5-192 | 62658 | 14 | 8-445 | 17-644 | 62710 | 35 | 10-875 | 2-702 |
| 62430 | 12 | 21-872 | 12-288 | 62502 | 26 | 14-554 | 24-526 | 62587 | 10 | 22-585 | 5-551 | 62659 | 18 | 9-500 | 17-848 | 62711 | 10 | 11-984 | 2-455 |
| 62431 | 10 | 22-410 | 12-950 | 62503 | 19 | 16-337 | 24-578 | 62588 | 11 | 23-232 | 5-905 | 62660 | 13 | 11-458 | 17-003 | 62712 | 12 | 14-756 | 2-106 |
| 62432 | 22 | 23-862 | 12-288 | 62504 | 14 | 17-548 | 24-168 | 62589 | 10 | 6-055 | 6-980 | 62661 | 13 | 12-628 | 17-108 | 62713 | 14 | 19-600 | 2-989 |
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| 62439 | 20 | 10-007 | 14-259 | 62511 | 37 | 10-846 | 25-186 | 62596 | 26 | 3-360 | 7-146 | 62668 | 70 | 22-363 | 18-508 | 62720 | 12 | 14-802 | 3-504 |
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| 62441 | 13 | 15-362 | 14-978 | 62513 | 9 | 25-669 | 25-929 | 62598 | 10 | 21-520 | 7-610 | 62670* | 46 | 19-270 | 19-528 | 62722 | 56 | 3-200 | 4-780 |
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| 62443 | 8 | 0-198 | 15-394 | | | | | 62600 | 30 | 20-674 | 8-730 | 62672* | 56 | 2-604 | 20-302 | 62724 | 35 | 14-708 | 4-962 |
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| 62445 | 21 | 4-548 | 15-581 | | | | | 62602 | 33 | 25-061 | 8-344 | 62674 | 18 | 15-320 | 20-526 | 62726 | 26 | 25-841 | 4-505 |
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| 62451 | 28 | 22-250 | 15-552 | | | | | 62608 | 22 | 12-056 | 10-746 | 62680 | 11 | 14-052 | 21-691 | 62732 | 34 | 11-017 | 6-360 |
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| 62453* | 31 | 12-153 | 16-698 | | | | | 62610 | 13 | 15-062 | 10-480 | 62682 | 24 | 21-886 | 21-629 | 62734 | 31 | 14-674 | 6-970 |
| 62454 | 27 | 13-412 | 16-262 | | | | | 62611 | 10 | 15-084 | 10-660 | 62683 | 10 | 7-232 | 22-188 | 62735* | 46 | 19-751 | 6-592 |
| 62455 | 19 | 17-648 | 16-081 | | | | | 62612 | 11 | 18-450 | 10-825 | 62684 | 17 | 9-581 | 22-778 | 62736 | 20 | 20-030 | 6-085 |
| 62456 | 21 | 22-749 | 16-748 | | | | | 62613 | 28 | 18-452 | 10-896 | 62685 | 28 | 12-764 | 22-352 | 62737 | 15 | 20-496 | 6-446 |
| 62457 | 10 | 23-253 | 16-213 | | | | | 62614 | 25 | 24-833 | 10-680 | 62686 | 10 | 12-835 | 22-644 | 62738* | 83 | 2-672 | 7-623 |
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| 62462 | 17 | 18-480 | 17-118 | | | | | 62619 | 20 | 20-207 | 11-600 | 62691 | 19 | 15-458 | 24-724 | 62743 | 10 | 18-771 | 7-960 |
| 62463 | 20 | 25-975 | 17-386 | | | | | 62620 | 27 | 24-557 | 11-806 | 62692 | 18 | 15-720 | 24-591 | 62744 | 10 | 19-735 | 7-945 |
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| 62465 | 26 | 10-694 | 18-120 | | | | | 62622 | 12 | 0-179 | 12-384 | 62694 | 28 | 17-916 | 24-888 | 62746 | 29 | 3-703 | 8-640 |
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| 62467 | 30 | 10-950 | 18-212 | | | | | 62624 | 20 | 4-702 | 13-116 | 62696 | 21 | 14-773 | 25-178 | 62748 | 15 | 21-717 | 8-418 |
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| 62469 | 37 | 18-608 | 18-868 | | | | | 62626 | 14 | 8-668 | 12-824 | 62698 | 26 | 22-753 | 25-155 | 62750 | 18 | 0-031 | 9-615 |
| 62470 | 30 | 20-900 | 18-740 | | | | | 62627 | 33 | 12-082 | 12-807 | | | | | 62751 | 23 | 5-864 | 9-168 |
| 62471 | 10 | 8-242 | 19-653 | | | | | 62628 | 17 | 17-324 | 12-290 | | | | | 62752 | 20 | 14-794 | 9-965 |
| 62472 | 37 | 8-819 | 19-948 | | | | | 62629 | 28 | 18-554 | 12-947 | | | | | 62753 | 26 | 16-391 | 9-290 |
| 62473 | 14 | 10-491 | 19-762 | | | | | 62630 | 13 | 18-576 | 12-948 | | | | | 62754 | 18 | 18-238 | 9-408 |
| 62474 | 14 | 10-539 | 19-936 | | | | | 62631 | 12 | 20-022 | 12-211 | | | | | 62755 | 10 | 19-412 | 9-025 |
| 62475 | 10 | 19-651 | 19-089 | | | | | 62632* | 60 | 7-255 | 13-602 | | | | | 62756 | 13 | 20-178 | 9-385 |
| 62476 | 26 | 20-375 | 19-118 | | | | | 62633 | 21 | 21-187 | 13-372 | | | | | 62757 | 15 | 20-694 | 9-826 |
| 62477* | 43 | 21-339 | 19-806 | | | | | 62634 | 19 | 24-288 | 13-250 | | | | | 62758 | 34 | 21-320 | 9-616 |
| 62478 | 9 | 21-488 | 19-469 | | | | | 62635* | 44 | 24-610 | 13-240 | | | | | 62759 | 18 | 23-436 | 9-363 |
| 62479 | 37 | 23-320 | 19-248 | | | | | 62636 | 11 | 25-110 | 13-284 | | | | | 62760 | 33 | 23-814 | 9-666 |
| 62480 | 12 | 3-530 | 20-552 | | | | | 62637 | 12 | 4-179 | 14-923 | | | | | 62761 | 10 | 25-700 | 9-339 |
| 62481 | 29 | 3-762 | 20-608 | | | | | 62638 | 16 | 6-046 | 14-124 | | | | | 62762 | 10 | 1-960 | 10-329 |
| 62482 | 21 | 8-698 | 20-598 | | | | | 62639 | 10 | 20-121 | 14-300 | | | | | 62763 | 32 | 9-838 | 10-742 |
| 62483 | 23 | 10-126 | 20-256 | | | | | 62640 | 10 | 25-170 | 14-554 | | | | | 62764* | 150 | 9-972 | 10-522 |
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| 62485 | 42 | 24-476 | 20-912 | | | | | 62642 | 32 | 7-130 | 15-870 | | | | | 62766 | 34 | 13-209 | 10-406 |
| 62486 | 20 | 1-138 | 21-508 | | | | | 62643 | 13 | 13-019 | 15-636 | | | | | 62767 | 13 | 21-992 | 10-190 |
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| 62489 | 16 | 20-105 | 21-396 | | | | | 62646 | 32 | 22-592 | 15-900 | | | | | 62770 | 11 | 3-614 | 11-400 |
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| 62493 | 13 | 7-380 | 22-246 | | | | | 62650 | 22 | 12-887 | 16-338 | | | | | 62774 | 33 | 2-158 | 12-234 |
| 62494 | 25 | 20-118 | 22-942 | | | | | 62651 | 14 | 14-024 | 16-946 | | | | | 62775 | 11 | 4-900 | 12-962 |
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| 62496* | 47 | 4-135 | 23-706 | | | | | 62653 | 10 | 18-877 | 16-718 | | | | | 62777 | 31 | 14-000 | 12-402 |
| 62497 | 39 | 8 | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--------|-----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|-----|--------|--------|-------|----|--------|--------|
| 62779 | 25 | 22°986 | 12°956 | 62851 | 27 | 9°076 | 23°944 | 62917 | 32 | 3°615 | 4°444 | 62989 | 19 | 25°199 | 12°638 | 63061 | 28 | 2°964 | 23°420 |
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| 62782 | 34 | 25°815 | 12°046 | 62854 | 24 | 16°186 | 23°354 | 62920 | 12 | 9°935 | 4°452 | 62992 | 39 | 10°736 | 13°188 | 63064 | 16 | 7°554 | 23°428 |
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| 62785 | 12 | 2°720 | 13°609 | 62857 | 31 | 17°312 | 23°178 | 62923 | 32 | 17°936 | 4°764 | 62995 | 19 | 11°486 | 13°188 | 63067 | 12 | 14°290 | 23°033 |
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| 62787 | 31 | 15°435 | 13°788 | 62859 | 32 | 18°085 | 23°112 | 62925 | 34 | 20°126 | 4°716 | 62997 | 25 | 21°968 | 13°547 | 63069 | 34 | 24°218 | 23°407 |
| 62788 | 12 | 19°255 | 13°635 | 62860* | 44 | 18°108 | 23°114 | 62926 | 32 | 20°194 | 4°677 | 62998 | 18 | 22°720 | 13°424 | 63070 | 30 | 3°109 | 24°156 |
| 62789 | 33 | 19°744 | 13°113 | 62861 | 31 | 18°165 | 23°509 | 62927 | 34 | 20°324 | 4°314 | 62999 | 20 | 24°456 | 13°580 | 63071 | 14 | 10°555 | 24°582 |
| 62790 | 10 | 22°022 | 13°694 | 62862 | 19 | 21°124 | 23°378 | 62928* | 40 | 8°276 | 5°612 | 63000 | 27 | 0°314 | 14°792 | 63072 | 12 | 0°076 | 25°040 |
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| 62792 | 13 | 5°274 | 14°602 | 62864 | 16 | 8°265 | 24°448 | 62930 | 16 | 14°677 | 5°050 | 63002 | 30 | 2°398 | 14°504 | 63074 | 25 | 1°382 | 25°902 |
| 62793 | 17 | 6°632 | 14°800 | 62865 | 13 | 10°019 | 24°686 | 62931* | 60 | 19°124 | 5°116 | 63003* | 46 | 9°341 | 14°996 | 63075 | 12 | 3°436 | 25°100 |
| 62794 | 27 | 10°545 | 14°965 | 62866 | 12 | 11°872 | 24°516 | 62932 | 12 | 23°254 | 5°925 | 63004 | 30 | 13°103 | 14°036 | 63076 | 33 | 3°626 | 25°241 |
| 62795 | 26 | 11°469 | 14°576 | 62867 | 18 | 12°185 | 24°814 | 62933 | 41 | 4°266 | 6°604 | 63005 | 12 | 14°896 | 14°620 | 63077 | 28 | 3°835 | 25°366 |
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| 62797 | 23 | 18°835 | 14°906 | 62869 | 38 | 20°428 | 24°859 | 62935 | 34 | 18°300 | 6°889 | 63007 | 35 | 17°462 | 14°098 | 63079 | 17 | 5°916 | 25°307 |
| 62798 | 15 | 19°376 | 14°940 | 62870 | 25 | 25°074 | 24°050 | 62936* | 36 | 19°534 | 6°034 | 63008 | 16 | 20°975 | 14°203 | 63080 | 22 | 6°626 | 25°026 |
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| 62800 | 20 | 22°427 | 14°727 | 62872 | 34 | 0°535 | 25°494 | 62938 | 16 | 3°677 | 7°642 | 63010 | 17 | 3°846 | 15°545 | 63082 | 17 | 23°775 | 25°395 |
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| 62808 | 13 | 25°924 | 15°516 | 62880 | 23 | 23°337 | 25°756 | 62946 | 34 | 5°290 | 8°803 | 63018 | 25 | 24°298 | 16°758 | | | | |
| 62809 | 34 | 0°254 | 16°316 | 62881 | 31 | 25°573 | 25°132 | 62947 | 36 | 10°356 | 8°807 | 63019 | 11 | 7°361 | 17°861 | | | | |
| 62810* | 38 | 11°040 | 16°459 | 62882 | 22 | 25°776 | 25°260 | 62948 | 17 | 16°050 | 8°360 | 63020* | 140 | 7°786 | 17°926 | | | | |
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| 62812 | 34 | 2°522 | 17°872 | | | | | 62950 | 19 | 22°216 | 8°353 | 63022 | 16 | 22°574 | 17°037 | | | | |
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| 62815 | 31 | 9°848 | 17°904 | | | | | 62953 | 29 | 7°125 | 9°714 | 63025 | 10 | 23°800 | 18°289 | | | | |
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| 62817 | 60 | 21°936 | 17°612 | | | | | 62955 | 19 | 12°592 | 9°284 | 63027 | 29 | 6°987 | 19°886 | | | | |
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| 62820 | 36 | 2°766 | 18°359 | | | | | 62958 | 20 | 16°396 | 9°964 | 63030 | 21 | 10°138 | 19°256 | | | | |
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| 62822 | 34 | 16°541 | 18°152 | | | | | 62960 | 35 | 5°432 | 10°274 | 63032 | 14 | 22°396 | 19°262 | | | | |
| 62823 | 15 | 18°576 | 18°654 | | | | | 62961* | 62 | 6°118 | 10°656 | 63033 | 35 | 23°568 | 19°940 | | | | |
| 62824 | 12 | 3°037 | 19°063 | | | | | 62962 | 61 | 6°726 | 10°838 | 63034 | 36 | 0°824 | 20°645 | | | | |
| 62825 | 28 | 5°056 | 19°226 | | | | | 62963 | 30 | 13°508 | 10°763 | 63035 | 13 | 4°194 | 20°835 | | | | |
| 62826 | 24 | 8°008 | 19°751 | | | | | 62964* | 38 | 13°700 | 10°280 | 63036 | 22 | 12°958 | 20°784 | | | | |
| 62827 | 13 | 10°827 | 19°902 | | | | | 62965 | 38 | 14°516 | 10°584 | 63037 | 18 | 15°972 | 20°473 | | | | |
| 62828* | 38 | 21°168 | 19°804 | | | | | 62966 | 35 | 15°712 | 10°432 | 63038* | 43 | 17°714 | 20°486 | | | | |
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| 62845 | 23 | 11°688 | 22°203 | | | | | 62983 | 28 | 6°398 | 12°490 | 63055 | 17 | 17°880 | 22°336 | | | | |
| 62846 | 20 | 12°020 | 22°320 | | | | | 62984 | 10 | 6°445 | 12°354 | 63056 | 31 | 21°082 | 22°952 | | | | |
| 62847 | 32 | 22°808 | 22°030 | | | | | 62985 | 20 | 13°836 | 12°712 | 63057 | 19 | 21°915 | 22°697 | | | | |
| 62848* | 47 | 3°792 | 23°656 | | | | | 62986 | 34 | 16°104 | 12°436 | 63058 | 18 | 23°712 | 22°392 | | | | |
| 62849 | 30 | 8°074 | 23°604 | | | | | 62987 | 33 | 20°536 | 12°915 | 63059 | 27 | 24°373 | 22°614 | | | | |
| 62850 | 10 | 8°090 | 23°366 | | | | | 62988 | 36 | 24°978 | 12°407 | 63060 | 12 | 24°424 | 2 | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--------|----|--------|-------|--------|----|--------|--------|-------|----|--------|--------|--------|----|--------|--------|--------|----|--------|--------|
| 63127 | 10 | 25.402 | 4.746 | 63157* | 49 | 23.278 | 9.354 | 63187 | 13 | 12.510 | 13.246 | 63217 | 38 | 23.310 | 17.390 | 63247 | 23 | 9.046 | 22.230 |
| 63128 | 17 | 6.670 | 5.716 | 63158 | 11 | 24.900 | 9.371 | 63188 | 21 | 13.364 | 13.622 | 63218 | 39 | 4.146 | 18.016 | 63248 | 12 | 12.200 | 22.872 |
| 63129 | 10 | 19.322 | 5.692 | 63159 | 41 | 25.468 | 9.320 | 63189 | 31 | 13.770 | 13.441 | 63219 | 41 | 5.519 | 18.452 | 63249 | 9 | 23.573 | 22.872 |
| 63130 | 12 | 22.550 | 5.924 | 63160 | 20 | 5.234 | 10.792 | 63190 | 11 | 18.640 | 13.209 | 63220 | 13 | 22.792 | 18.038 | 63250 | 35 | 1.917 | 23.402 |
| 63131 | 10 | 23.818 | 5.521 | 63161 | 10 | 11.388 | 10.512 | 63191 | 13 | 19.050 | 13.546 | 63221 | 13 | 24.071 | 18.442 | 63251 | 17 | 5.727 | 23.544 |
| 63132 | 28 | 2.440 | 6.360 | 63162 | 25 | 21.837 | 10.164 | 63192 | 10 | 21.672 | 13.128 | 63222 | 33 | 1.252 | 19.907 | 63252 | 10 | 7.260 | 23.992 |
| 63133 | 19 | 5.670 | 6.265 | 63163 | 17 | 23.794 | 10.834 | 63193 | 27 | 22.252 | 13.417 | 63223 | 10 | 5.994 | 19.299 | 63253 | 13 | 9.532 | 23.790 |
| 63134 | 17 | 8.504 | 6.330 | 63164 | 32 | 25.440 | 10.975 | 63194 | 17 | 3.160 | 14.516 | 63224 | 38 | 10.078 | 19.005 | 63254* | 45 | 9.998 | 23.802 |
| 63135 | 23 | 13.392 | 6.428 | 63165* | 42 | 2.004 | 11.891 | 63195 | 21 | 10.460 | 14.421 | 63225 | 17 | 10.078 | 19.060 | 63255 | 34 | 12.579 | 23.036 |
| 63136 | 18 | 0.638 | 7.556 | 63166 | 18 | 12.114 | 11.078 | 63196 | 14 | 17.606 | 14.106 | 63226 | 10 | 10.568 | 19.016 | 63256 | 27 | 12.795 | 23.664 |
| 63137 | 19 | 3.566 | 7.500 | 63167 | 12 | 23.900 | 11.178 | 63197 | 30 | 22.386 | 14.228 | 63227* | 40 | 12.937 | 19.047 | 63257 | 24 | 15.968 | 23.346 |
| 63138 | 34 | 4.131 | 7.850 | 63168 | 22 | 25.503 | 11.747 | 63198 | 12 | 23.363 | 14.358 | 63228 | 26 | 15.870 | 19.423 | 63258 | 32 | 16.622 | 23.832 |
| 63139 | 13 | 6.878 | 7.903 | 63169 | 18 | 25.882 | 11.646 | 63199 | 41 | 24.670 | 14.218 | 63229 | 11 | 20.123 | 19.143 | 63259 | 40 | 16.978 | 23.639 |
| 63140* | 44 | 9.815 | 7.398 | 63170 | 39 | 2.617 | 12.486 | 63200 | 12 | 24.774 | 14.801 | 63230 | 10 | 21.816 | 19.444 | 63260 | 39 | 17.172 | 23.940 |
| 63141 | 32 | 16.470 | 7.518 | 63171 | 20 | 2.839 | 12.717 | 63201 | 12 | 6.711 | 15.164 | 63231 | 14 | 2.051 | 20.040 | 63261* | 47 | 22.996 | 23.808 |
| 63142 | 17 | 19.967 | 7.090 | 63172 | 16 | 3.897 | 12.274 | 63202 | 17 | 12.544 | 15.596 | 63232 | 15 | 10.252 | 20.205 | 63262* | 47 | 9.526 | 24.789 |
| 63143 | 17 | 23.276 | 7.134 | 63173 | 12 | 4.554 | 12.861 | 63203 | 27 | 25.300 | 15.952 | 63233 | 41 | 13.882 | 20.616 | 63263 | 14 | 10.501 | 24.614 |
| 63144 | 24 | 23.860 | 7.049 | 63174 | 35 | 5.248 | 12.160 | 63204 | 13 | 0.784 | 16.426 | 63234 | 13 | 22.180 | 20.618 | 63264 | 29 | 16.051 | 24.666 |
| 63145 | 16 | 25.884 | 7.174 | 63175 | 41 | 8.666 | 12.389 | 63205 | 25 | 1.964 | 16.807 | 63235 | 34 | 8.625 | 21.434 | 63265* | 38 | 16.852 | 24.152 |
| 63146 | 24 | 6.441 | 8.343 | 63176 | 19 | 9.012 | 12.804 | 63206 | 14 | 4.082 | 16.402 | 63236 | 26 | 10.466 | 21.306 | 63266* | 45 | 22.230 | 24.104 |
| 63147 | 11 | 8.914 | 8.392 | 63177 | 12 | 16.134 | 12.141 | 63207 | 25 | 7.595 | 16.300 | 63237 | 22 | 13.382 | 21.428 | 63267 | 10 | 1.485 | 25.376 |
| 63148 | 10 | 13.500 | 8.114 | 63178 | 39 | 23.660 | 12.772 | 63208 | 44 | 9.061 | 16.097 | 63238 | 19 | 14.234 | 21.301 | 63268 | 10 | 7.204 | 25.059 |
| 63149 | 31 | 23.628 | 8.410 | 63179 | 12 | 0.385 | 13.504 | 63209 | 11 | 9.643 | 16.937 | 63239 | 11 | 14.342 | 21.406 | 63269* | 44 | 8.326 | 25.152 |
| 63150 | 23 | 2.731 | 9.511 | 63180 | 17 | 2.112 | 13.652 | 63210 | 13 | 12.952 | 16.848 | 63240 | 40 | 14.456 | 21.224 | 63270 | 31 | 13.993 | 25.116 |
| 63151 | 30 | 4.879 | 9.168 | 63181* | 52 | 7.255 | 13.564 | 63211 | 30 | 18.138 | 16.890 | 63241 | 25 | 16.322 | 21.161 | 63271 | 31 | 14.773 | 25.750 |
| 63152 | 40 | 10.318 | 9.276 | 63182 | 30 | 7.580 | 13.702 | 63212 | 34 | 24.627 | 16.969 | 63242 | 25 | 22.861 | 21.584 | 63272 | 40 | 19.330 | 25.632 |
| 63153 | 27 | 15.733 | 9.740 | 63183* | 48 | 9.066 | 13.184 | 63213 | 38 | 12.008 | 17.282 | 63243 | 32 | 24.666 | 21.127 | | | | |
| 63154 | 12 | 15.764 | 9.926 | 63184 | 31 | 10.468 | 13.681 | 63214 | 20 | 12.439 | 17.796 | 63244 | 18 | 1.407 | 22.398 | | | | |
| 63155 | 14 | 17.157 | 9.241 | 63185 | 12 | 10.939 | 13.227 | 63215 | 19 | 13.116 | 17.742 | 63245 | 30 | 2.066 | 22.616 | | | | |
| 63156 | 34 | 19.198 | 9.375 | 63186 | 37 | 11.180 | 13.772 | 63216 | 35 | 22.091 | 17.151 | 63246 | 13 | 4.152 | 22.216 | | | | |

NIZAMIAH OBSERVATORY, HYDERABAD

ASTROGRAPHIC CATALOGUE, 1900·0

ZONE -19°

STANDARD CO-ORDINATES

OF

THE STARS IN THE ALGIERS ASTRONOMISCHE
GESELLSCHAFT CATALOGUE

EXPLANATION OF THE COLUMNS.

Hyderabad Number.—This is the number assigned in the preceding Catalogue of measures of plates taken at Hyderabad. Some stars occur on two plates, and in this case they have two numbers—thus, Algiers 40 is Hyderabad —19°, 91, and also Hyderabad —19°, 337. Some stars will also occur on plates with centres in Declination —18° or —20°. Occasionally, owing to slight errors of centering the plate, a star will fall outside the réseau, and hence will have no number on such a plate, but will occur on an adjacent plate with a Hyderabad number.

Algiers Number and Magnitude.—These are taken direct from the Algiers Astronomische Gesellschaft Catalogue and require no explanation.

Standard Co-ordinates.—This name was first proposed in *M.N.R.A.S.*, liv. p. 11, and has been generally adopted for the rectangular co-ordinates of a star on a plate fulfilling the following ideal conditions :—

- (i.) Plate truly centred and oriented for 1900·0.
- (ii.) No refraction and aberration.
- (iii.) A suitable unit of length adopted.

The formulæ giving these co-ordinates are—

$$\begin{aligned}\xi &= k \cdot \tan (\alpha - A) \cdot \sec (\theta - D) \cdot \cos \delta, \\ \eta &= k \cdot \tan (\theta - D),\end{aligned}$$

where

$$\tan \theta = \sec (\alpha - A) \cdot \tan \delta,$$

where

α, δ are the R.A. and Declination of the star,

A, D are the R.A. and Declination of the plate centre,

and k depends on the adopted unit of length. For the Astrographic Catalogue the unit chosen is 5' at the plate centre, and $k=687\cdot54935$.

For the calculation of ξ, η , approximate formulæ were used, and reduced to tables. To avoid negative signs the constant 13·0000 has been added to all the values of ξ, η to form

$$\xi' = \xi + 13, \eta' = \eta + 13,$$

and the quantities ξ', η' are given in the following Catalogue. The co-ordinates are thus referred to a corner of the réseau and not to the plate centre.

The Right Ascensions and Declinations used are those given in the Catalogue for 1900·0 without any application of proper motions.

For determining plate constants, stars known or suspected of proper motion, and a few stars, the Catalogue place of which appeared to be in error were omitted from the solution.

| Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | |
|-------------------------------------|----------|------|-----------------------------------|---------|-------------------------------------|----------|------|-----------------------------------|---------|-------------------------------------|----------|------|-----------------------------------|---------|
| Hyd. | Algiers. | | ξ. | η. | Hyd. | Algiers. | | ξ. | η. | Hyd. | Algiers. | | ξ. | η. |
| R.A. 0 ^h 4 ^m | | | | | R.A. 0 ^h 28 ^m | | | | | R.A. 0 ^h 52 ^m | | | | |
| 184 | 9996 | 8.7 | 1.0622 | 24.6677 | 681 | 109 | 9.2 | 2.0827 | 5.5615 | 1353 | 223 | 9.1 | 0.7789 | 19.6634 |
| 67 | 9997 | 8.6 | 1.1671 | 9.8303 | 784 | 112 | 8.8 | 4.2391 | 20.1624 | 1318 | 225 | 8.4 | 1.1279 | 14.4599 |
| 60 | 1 | 9.1 | 3.4129 | 9.7733 | 792 | 114 | 8.6 | 5.1204 | 21.8857 | 1271 | 226 | 7.9 | 2.0736 | 3.3717 |
| 54 | 3 | 6.8 | 5.3328 | 8.1563 | 745 | 116 | 7.8 | 6.1571 | 15.0951 | 1278 | 227 | 8.9 | 3.3964 | 5.7530 |
| 15 | 5 | 9.1 | 5.9853 | 3.2281 | 788 | 118 | 8.9 | 8.0438 | 21.4795 | 1290 | 229 | 8.6 | 4.5392 | 7.5616 |
| 130 | 6 | 8.8 | 6.3893 | 17.3142 | 719 | 119 | 7.0 | 10.2926 | 10.2849 | 1291 | 230 | 8.5 | 4.9757 | 7.8820 |
| 132 | 10 | 8.7 | 7.1392 | 17.5435 | 707 | 120 | 8.5 | 11.7366 | 8.9411 | 1252 | 233 | 8.4 | 7.6770 | 0.8287 |
| 4 | 11 | 6.9 | 7.8560 | 0.3376 | 756 | 121 | 9.0 | 12.0946 | 15.9119 | 1319 | 235 | 8.0 | 9.7975 | 13.8866 |
| 122 | 12 | 8.0 | 9.8361 | 15.8978 | 668 | 123 | 8.8 | 12.6832 | 3.9982 | 1334 | 237 | 8.2 | 10.0101 | 16.6717 |
| 171 | 14 | 8.5 | 10.7977 | 22.2210 | 708 | 124 | 8.6 | 13.0317 | 9.0000 | 1387 | 240 | 8.5 | 11.7687 | 24.8399 |
| 172 | 16 | 8.5 | 10.9856 | 22.3646 | 699 | 125 | 8.8 | 13.6138 | 7.8287 | 1374 | 242 | 8.9 | 13.5982 | 23.4212 |
| 16 | 18 | 6.4 | 11.4389 | 2.6032 | 809 | 127 | 8.6 | 13.8508 | 25.5919 | 1348 | 244 | 7.8 | 14.9509 | 19.4775 |
| 100 | 19 | 9.0 | 13.6900 | 13.6271 | 709 | 128 | 8.7 | 14.8716 | 9.0075 | 1294 | 248 | 8.9 | 17.9904 | 7.5593 |
| 102 | 26 | 7.8 | 18.3093 | 14.5494 | 801 | 129 | 9.0 | 17.0277 | 23.6021 | 1265 | 250 | 8.4 | 18.3750 | 1.3031 |
| 126 | 28 | 9.1 | 19.7627 | 16.1709 | 738 | 133 | 8.9 | 19.4732 | 12.7088 | 1321 | 251 | 9.3 | 18.3858 | 13.6790 |
| 119 | 29 | 6.6 | 20.0575 | 14.9017 | 720 | 134 | 8.5 | 19.5391 | 10.0616 | 1376 | 252 | 7.7 | 18.9522 | 23.4058 |
| 42 | 30 | 8.7 | 20.1645 | 7.3141 | 742 | 135 | 8.0 | 19.5430 | 14.3722 | 1296 | 254 | 8.7 | 21.5944 | 8.2360 |
| 19 | 31 | 8.6 | 20.6945 | 2.3826 | 765 | 137 | 8.8 | 21.4675 | 16.7960 | 1382 | 257 | 8.2 | 22.9428 | 24.1523 |
| 43 | 33 | 6.0 | 21.7275 | 6.9458 | 665 | 140 | 8.7 | 22.3010 | 2.9516 | 1301 | 260 | 8.4 | 23.5133 | 8.9252 |
| 106 | 34 | 8.8 | 22.4633 | 14.1196 | 774 | 141 | 9.1 | 23.3215 | 17.7783 | 1339 | 262 | 7.6 | 24.8532 | 17.5733 |
| 177 | 35 | 8.7 | 23.0616 | 22.0536 | 678 | 142 | 8.1 | 23.5752 | 5.1873 | | | | | |
| 31 | 36 | 8.6 | 24.0020 | 4.7647 | | | | | | | | | | |
| 91 | 40 | 9.1 | 25.4001 | 12.9982 | | | | | | | | | | |
| R.A. 0 ^h 12 ^m | | | | | R.A. 0 ^h 36 ^m | | | | | R.A. 1 ^h 0 ^m | | | | |
| 408 | 35 | 8.7 | 0.4698 | 22.0683 | 935 | 141 | 9.1 | 0.6811 | 17.7899 | 1554 | 257 | 8.2 | 0.3749 | 24.1683 |
| 270 | 36 | 8.6 | 1.2146 | 4.7691 | 870 | 142 | 8.1 | 0.7917 | 5.1963 | 1446 | 260 | 8.4 | 0.7723 | 8.9347 |
| 337 | 40 | 9.1 | 2.7052 | 12.9861 | 906 | 151 | 9.1 | 6.7391 | 13.4542 | 1509 | 262 | 7.6 | 2.2103 | 17.5672 |
| 257 | 41 | 8.0 | 3.0776 | 2.2349 | 937 | 152 | 8.4 | 6.8821 | 18.0200 | 1488 | 263 | 8.5 | 4.1175 | 24.4586 |
| 350 | 42 | 8.9 | 4.8390 | 14.0878 | 867 | 157 | 9.0 | 10.0744 | 3.5285 | 1504 | 269 | 9.0 | 10.4553 | 14.2349 |
| 401 | 45 | 8.8 | 5.5661 | 20.8770 | 859 | 158 | 9.0 | 10.6824 | 2.7012 | 1415 | 271 | 9.0 | 11.4351 | 3.1937 |
| 343 | 47 | 9.0 | 5.5736 | 12.8635 | 881 | 160 | 8.6 | 11.9844 | 6.2344 | 1441 | 273 | 9.0 | 12.1905 | 6.8250 |
| 385 | 48 | 4.6 | 6.1026 | 18.8564 | 878 | 164 | 8.8 | 16.2015 | 4.4653 | 1404 | 274 | 8.7 | 12.4024 | 11.2811 |
| 202 | 51 | 8.8 | 8.5528 | 6.6410 | 918 | 168 | 8.9 | 17.7839 | 14.9727 | 1403 | 276 | 8.8 | 12.6837 | 1.1218 |
| 386 | 52 | 9.0 | 9.5837 | 18.9994 | 960 | 169 | 8.6 | 17.9404 | 20.4317 | 1513 | 282 | 8.9 | 16.5750 | 17.4806 |
| 426 | 54 | 8.6 | 11.0248 | 24.4141 | 888 | 175 | 2.0 | 20.3096 | 7.4386 | 1535 | 286 | 8.7 | 20.2267 | 21.1313 |
| 317 | 55 | 8.8 | 11.3264 | 10.7907 | 855 | 182 | 9.0 | 23.9234 | 1.0323 | 1553 | 288 | 8.0 | 20.9265 | 23.1219 |
| 294 | 57 | 8.4 | 11.5239 | 6.4364 | 981 | 186 | 8.6 | 24.3267 | 23.1713 | 1419 | 289 | 9.0 | 21.6218 | 3.1850 |
| 281 | 61 | 8.9 | 13.1002 | 4.8406 | | | | | | 1525 | 291 | 9.0 | 22.7318 | 18.8427 |
| 272 | 62 | 9.0 | 13.5343 | 3.6492 | | | | | | 1536 | 292 | 8.0 | 22.9631 | 21.4260 |
| 397 | 63 | 6.9 | 14.3278 | 20.2837 | | | | | | 1558 | 295 | 9.1 | 24.5600 | 23.9244 |
| 265 | 64 | 8.7 | 15.2864 | 2.4691 | | | | | | | | | | |
| 429 | 69 | 9.4 | 17.7595 | 23.9929 | | | | | | | | | | |
| 274 | 71 | 8.3 | 19.8625 | 3.8345 | | | | | | | | | | |
| 263 | 74 | 9.0 | 21.4097 | 1.3892 | | | | | | | | | | |
| 277 | 75 | 7.2 | 21.4793 | 4.0837 | | | | | | | | | | |
| R.A. 0 ^h 20 ^m | | | | | R.A. 0 ^h 44 ^m | | | | | R.A. 1 ^h 8 ^m | | | | |
| 490 | 79 | 9.0 | 4.9214 | 5.4415 | 1052 | 182 | 9.0 | 1.0928 | 1.0376 | 1722 | 292 | 8.0 | 0.3642 | 21.4417 |
| 566 | 82 | 7.4 | 8.3571 | 18.3499 | 1194 | 186 | 8.6 | 1.7476 | 23.1709 | 1744 | 295 | 9.1 | 1.9893 | 23.9211 |
| 492 | 84 | 7.0 | 9.9386 | 5.3946 | 1086 | 188 | 8.9 | 3.5157 | 6.2894 | 1745 | 298 | 8.7 | 3.5305 | 24.1209 |
| 541 | 86 | 7.0 | 12.3723 | 13.2928 | 1105 | 194 | 8.9 | 6.3995 | 9.8388 | 1603 | 300 | 8.9 | 4.1293 | 1.9155 |
| 533 | 87 | 8.9 | 12.6893 | 12.2000 | 1111 | 197 | 8.9 | 6.9751 | 11.1447 | 1604 | 301 | 9.0 | 4.1709 | 3.1112 |
| 455 | 89 | 7.1 | 13.9351 | 0.7612 | 1155 | 198 | 8.7 | 7.3494 | 18.4831 | 1691 | 304 | 7.3 | 7.6874 | 17.0483 |
| 561 | 90 | 8.5 | 14.5241 | 17.4397 | 1094 | 201 | 6.0 | 9.4123 | 8.3044 | 1700 | 308 | 9.2 | 9.3184 | 18.2859 |
| 473 | 92 | 8.6 | 14.7689 | 2.4616 | 1142 | 203 | 8.9 | 11.6600 | 15.4981 | 1607 | 310 | 8.9 | 9.7102 | 1.8228 |
| 557 | 96 | 6.5 | 16.7298 | 15.9706 | 1132 | 204 | 8.4 | 12.2052 | 14.0558 | 1625 | 312 | 8.5 | 10.3720 | 5.1413 |
| 570 | 98 | 9.2 | 17.2794 | 18.3203 | 1170 | 209 | 9.0 | 13.8326 | 19.6481 | 1727 | 314 | 8.9 | 14.6718 | 21.3222 |
| 497 | 101 | 8.7 | 19.6593 | 5.8203 | 1148 | 211 | 8.9 | 14.9957 | 15.6400 | 1648 | 320 | 8.0 | 19.0436 | 9.5120 |
| 616 | 104 | 9.0 | 20.6419 | 23.4749 | 1134 | 213 | 8.7 | 17.8260 | 13.6048 | 1634 | 322 | 9.2 | 20.1197 | 6.8351 |
| 500 | 109 | 9.2 | 24.8619 | 5.5667 | 1136 | 216 | 8.9 | 20.2335 | 13.6494 | 1664 | 325 | 8.5 | 21.0163 | 12.3398 |
| | | | | | 1209 | 219 | 8.7 | 21.7446 | 24.6092 | 1650 | 329 | 9.0 | 23.9312 | 9.1930 |
| | | | | | 1173 | 223 | 9.1 | 23.3080 | 19.6528 | 1696 | 333 | 8.9 | 25.4968 | 17.7003 |
| | | | | | 1137 | 225 | 8.4 | 23.8060 | 14.4538 | 1718 | 334 | 8.5 | 25.6286 | 19.6957 |
| | | | | | 1068 | 226 | 7.9 | 24.8777 | 3.3768 | | | | | |

| Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | |
|---|----------|------|--------------------------------|---------|---|----------|------|--------------------------------|---------|--|----------|---------|--------------------------------|---------|
| Hyd. | Algiers. | | ξ. | η. | Hyd. | Algiers. | | ξ. | η. | Hyd. | Algiers. | | ξ. | η. |
| R.A. 2 ^h 20 ^m (continued) | | | | | R.A. 2 ^h 44 ^m (continued) | | | | | R.A. 3 ^h 8 ^m (continued) | | | | |
| 3396 | 640 | 8-6 | 12-1490 | 8-3858 | 4076 | 753 | 9-0 | 11-1753 | 10-0908 | 4696 | 864 | 8-8 | 4-4721 | 6-3755 |
| 3495 | 653 | 9-1 | 18-1803 | 19-4824 | 4184 | 754 | 9-1 | 11-5456 | 22-4324 | 4811 | 865 | 8-9 | 4-5793 | 17-9499 |
| 3454 | 656 | 7-8 | 24-8995 | 13-8323 | 4114 | 756 | 8-8 | 11-9383 | 14-2030 | 4739 | 866 | 9-1 | 4-6710 | 10-9752 |
| 3443 | 660 | 8-3 | 25-6185 | 12-7898 | 4163 | 757 | 9-1 | 12-5152 | 17-8775 | 4855 | 868 | 7-7 | 5-2949 | 23-0723 |
| 3505 | 661 | 7-9 | 25-6197 | 21-8453 | 4164 | 759 | 8-3 | 13-8124 | 18-3116 | 4664 | 869 | 9-1 | 5-5415 | 3-2256 |
| R.A. 2 ^h 28 ^m | | | | | 4093 | 766 | 9-0 | 16-8917 | 11-5741 | 4725 | 875 | 8-8 | 8-1662 | 9-3797 |
| 3629 | 656 | 7-8 | 2-2142 | 13-8260 | 4179 | 771 | 9-0 | 19-8825 | 20-7123 | 4658 | 881 | 8-9 | 10-6256 | 2-0641 |
| 3620 | 660 | 8-3 | 2-9212 | 12-7754 | 4082 | 778 | 8-0 | 22-5700 | 10-2896 | 4752 | 882 | 9-2 | 10-9491 | 12-0188 |
| 3686 | 661 | 7-9 | 3-0253 | 21-8298 | 4047 | 779 | 8-1 | 23-7527 | 6-0862 | 4782 | 884 | 9-1 | 11-8162 | 15-4300 |
| 3580 | 667 | 9-1 | 0-6884 | 6-1744 | 4130 | 780 | 9-1 | 23-7621 | 14-9826 | 4716 | 886 | 9-0 | 13-2943 | 8-0752 |
| 3614 | 669 | 9-0 | 11-7981 | 11-9341 | 4090 | 782 | 8-8 | 24-7252 | 11-3101 | 4745 | 887 | 8-8 | 14-0010 | 10-7633 |
| 3589 | 671 | 9-2 | 12-7885 | 6-8192 | R.A. 2 ^h 52 ^m | | | | | 4757 | 889 | 9-0 | 14-4602 | 11-9912 |
| 3608 | 673 | 8-7 | 14-3235 | 10-5571 | 4273 | 779 | 8-1 | 0-9794 | 6-0931 | 4655 | 890 | 8-9 | 15-5927 | 1-0591 |
| 3558 | 675 | 8-0 | 15-1926 | 1-3814 | 4329 | 780 | 9-1 | 1-0899 | 14-9892 | 4656 | 891 | 8-9 | 15-4456 | 0-9139 |
| 3605 | 676 | 8-8 | 15-2107 | 10-3959 | 4299 | 782 | 8-8 | 2-0112 | 11-3060 | 4774 | 893 | 8-6 | 16-0479 | 13-9559 |
| 3711 | 678 | 8-5 | 16-2701 | 25-6365 | 4322 | 785 | 9-1 | 4-3585 | 14-2221 | 4676 | 894 | 8-2 | 17-2306 | 3-8748 |
| 3683 | 680 | 8-7 | 18-0076 | 20-8801 | 4343 | 791 | 8-9 | 10-1480 | 16-4011 | 4691 | 898 | 9-1 | 20-7907 | 4-7880 |
| 3677 | 684 | 8-9 | 22-0671 | 19-9598 | 4370 | 792 | 8-9 | 10-2957 | 19-5211 | 4720 | 900 | 7-5 | 21-3039 | 7-5466 |
| 3559 | 685 | 7-5 | 22-3246 | 1-8451 | 4333 | 795 | 9-0 | 11-0466 | 14-9353 | 902 | 9-0 | 21-7734 | 21-5931 | |
| R.A. 2 ^h 36 ^m | | | | | 4324 | 796 | 8-7 | 12-4463 | 14-2761 | 4735 | 904 | 8-3 | 22-2194 | 9-8236 |
| 3854 | 698 | 9-1 | 6-2213 | 14-8092 | 4383 | 799 | 8-7 | 15-9111 | 21-5254 | 4849 | 905 | 9-2 | 22-1660 | 21-6163 |
| 3804 | 701 | 8-9 | 8-1389 | 8-5024 | 4303 | 800 | 9-3 | 16-5685 | 11-0732 | 4785 | 906 | 9-2 | 22-5183 | 15-5709 |
| 3887 | 704 | 8-8 | 10-3026 | 18-0293 | 4256 | 802 | 9-0 | 17-5306 | 1-6425 | 4721 | 907 | 9-0 | 22-7080 | 8-2881 |
| 3776 | 706 | 9-2 | 11-3404 | 4-7810 | 4282 | 804 | 9-0 | 21-0119 | 7-4203 | 4850 | 909 | 8-0 | 23-0096 | 21-7222 |
| 3855 | 708 | 8-4 | 12-0202 | 15-1593 | 4400 | 808 | 9-1 | 22-5826 | 23-6716 | R.A. 3 ^h 16 ^m | | | | |
| 3838 | 711 | 8-7 | 14-1883 | 13-3094 | 4346 | 809 | 9-2 | 23-0023 | 16-2358 | 5117 | 909 | 8-0 | 0-4140 | 21-7374 |
| 3794 | 712 | 8-8 | 14-5062 | 6-7967 | 4267 | 814 | 7-4 | 25-8154 | 4-1849 | 5096 | 913 | 9-1 | 3-6240 | 19-9119 |
| 3768 | 713 | 7-9 | 14-5420 | 3-9794 | R.A. 3 ^h 0 ^m | | | | | 4992 | 915 | 8-9 | 4-0211 | 10-1132 |
| 3785 | 714 | 9-2 | 15-6461 | 5-4401 | 4545 | 809 | 9-2 | 0-3444 | 16-2511 | 4985 | 916 | 9-1 | 4-1049 | 8-6156 |
| 3945 | 715 | 8-7 | 15-7969 | 25-0610 | 4466 | 816 | 7-4 | 3-0203 | 4-1695 | 4902 | 917 | 8-8 | 4-4703 | 1-1603 |
| 3880 | 718 | 9-1 | 17-5115 | 18-0441 | 4461 | 818 | 8-2 | 5-4501 | 21-9357 | 4904 | 918 | 9-0 | 5-9000 | 1-0107 |
| 3906 | 719 | 9-0 | 17-6458 | 20-7030 | 4594 | 819 | 7-0 | 5-7421 | 8-2248 | 5076 | 919 | 8-9 | 6-2324 | 18-1961 |
| 3912 | 720 | 8-8 | 17-8681 | 23-2504 | 4491 | 823 | 9-0 | 6-7848 | 7-3301 | 4905 | 920 | 9-3 | 6-4737 | 0-8856 |
| 3769 | 723 | 9-0 | 18-6271 | 3-4860 | 4484 | 825 | 9-1 | 7-8606 | 11-0003 | 5019 | 921 | 9-1 | 6-7762 | 12-7804 |
| 3945 | 727 | 8-7 | 20-0500 | 22-3489 | 4513 | 827 | 8-5 | 8-5748 | 8-4854 | 5008 | 923 | 6-2 | 7-6623 | 12-0801 |
| 3890 | 728 | 8-8 | 20-1333 | 18-6682 | 4521 | 828 | 8-8 | 8-8050 | 11-7887 | 5043 | 926 | 7-2 | 10-8233 | 15-4865 |
| 3814 | 729 | 8-5 | 20-3297 | 10-4750 | 4486 | 829 | 8-7 | 8-9003 | 6-5998 | .. | 927 | 8-8 | 11-1296 | 0-0750 |
| 3810 | 731 | 9-0 | 22-3748 | 10-4107 | 4611 | 830 | 8-2 | 9-4303 | 24-9185 | 4960 | 929 | 8-9 | 11-9042 | 5-3680 |
| 3771 | 733 | 8-7 | 25-3028 | 3-4829 | 4603 | 832 | 8-4 | 10-3375 | 24-7027 | 5154 | 930 | 9-0 | 12-8403 | 25-9312 |
| 3756 | 734 | 8-1 | 25-5161 | 1-0551 | 4462 | 834 | 7-8 | 11-2402 | 2-5432 | 5121 | 936 | 9-2 | 16-8337 | 22-0596 |
| 3841 | 735 | 4-8 | 25-5751 | 12-9919 | 4452 | 841 | 9-1 | 13-7179 | 0-4280 | 5081 | 940 | 8-8 | 19-2881 | 18-4876 |
| R.A. 2 ^h 44 ^m | | | | | 4562 | 842 | 7-3 | 14-8409 | 18-6200 | 5116 | 941 | 9-2 | 19-4714 | 21-1120 |
| 4030 | 733 | 8-7 | 2-4999 | 3-4731 | 4568 | 845 | 9-0 | 16-6492 | 3-4099 | 5004 | 946 | 8-7 | 23-8397 | 10-9532 |
| 4001 | 734 | 8-1 | 2-6855 | 1-0433 | 4580 | 846 | 9-2 | 17-1454 | 19-9594 | 5016 | 949 | 9-1 | 25-6682 | 12-0362 |
| 4099 | 735 | 4-8 | 2-8802 | 12-9779 | 4590 | 847 | 8-8 | 17-2056 | 21-1059 | R.A. 3 ^h 24 ^m | | | | |
| 4146 | 740 | 9-0 | 6-9402 | 16-7992 | 4542 | 850 | 8-4 | 19-2997 | 14-9601 | 5262 | 946 | 8-7 | 1-1217 | 10-9590 |
| 4050 | 742 | 8-6 | 7-0414 | 6-5551 | 4481 | 852 | 8-5 | 21-3991 | 5-8731 | 5272 | 949 | 9-1 | 2-9624 | 12-0214 |
| 4084 | 743 | 9-1 | 7-1220 | 11-3979 | 4592 | 853 | 9-1 | 22-0300 | 21-1726 | 5207 | 951 | 8-7 | 4-4504 | 1-6206 |
| 4150 | 746 | 9-0 | 8-4770 | 17-5681 | 4593 | 855 | 7-6 | 23-1843 | 21-2621 | 5263 | 954 | 8-2 | 6-0074 | 10-5044 |
| 4113 | 748 | 9-2 | 9-5125 | 13-8618 | 4558 | 860 | 7-3 | 25-2868 | 17-2588 | 5313 | 955 | 8-9 | 6-5607 | 15-9006 |
| 4002 | 749 | 8-8 | 9-5113 | 0-6708 | R.A. 3 ^h 8 ^m | | | | | 5237 | 958 | 8-8 | 7-5108 | 7-8863 |
| 4075 | 751 | 8-8 | 10-1911 | 9-8300 | 4841 | 855 | 7-6 | 0-5835 | 21-2751 | 5283 | 960 | 9-3 | 7-9812 | 12-8606 |
| 4067 | 752 | 9-0 | 10-7688 | 9-3592 | 4796 | 860 | 7-3 | 2-6404 | 17-2477 | 5284 | 961 | 8-9 | 8-8701 | 12-8442 |
| | | | | | 4799 | 862 | 9-0 | 3-2405 | 16-1649 | 5295 | 962 | 8-7 | 9-2179 | 13-5293 |
| | | | | | | | | | | 5287 | 967 | 8-7 | 13-3617 | 12-9700 |
| | | | | | | | | | | 5257 | 968 | 8-5 | 13-3826 | 9-6803 |
| | | | | | | | | | | 5243 | 969 | 8-8 | 13-4067 | 7-8979 |

| Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | |
|---|----------|------|--------------------------------|---------|---|----------|------|--------------------------------|---------|--|----------|------|--------------------------------|---------|
| Hyd. | Algiers. | | ξ. | η. | Hyd. | Algiers. | | ξ. | η. | Hyd. | Algiers. | | ξ. | η. |
| R.A. 3 ^h 24 ^m (continued) | | | | | R.A. 3 ^h 48 ^m (continued) | | | | | R.A. 4 ^h 4 ^m (continued) | | | | |
| 5216 | 973 | 9-0 | 14-5214 | 3-5523 | 5928 | 1091 | 8-7 | 4-0914 | 3-9920 | 6682 | 1225 | 9-0 | 8-6258 | 19-7865 |
| 5217 | 974 | 8-9 | 15-2953 | 3-9148 | 5948 | 1092 | 9-1 | 4-1175 | 5-2565 | 6484 | 1226 | 8-9 | 8-6129 | 3-7931 |
| 5370 | 976 | 7-9 | 15-6153 | 23-8035 | 5983 | 1096 | 8-5 | 4-4950 | 8-2109 | 6503 | 1228 | 9-2 | 9-2564 | 5-5441 |
| 5298 | 977 | 9-1 | 16-1705 | 13-8072 | 6150 | 1097 | 8-9 | 5-0648 | 25-0486 | 6695 | 1231 | 8-9 | 12-7707 | 21-1461 |
| 5371 | 979 | 9-0 | 16-9994 | 23-6593 | 6032 | 1101 | 7-7 | 6-6204 | 13-6019 | 6560 | 1235 | 9-0 | 13-4995 | 9-9841 |
| 5377 | 980 | 9-0 | 17-0703 | 24-6414 | 6050 | 1105 | 8-6 | 9-3899 | 15-5499 | 6453 | 1236 | 8-9 | 13-6320 | 1-0779 |
| 5218 | 981 | 8-8 | 18-6322 | 3-5570 | 5924 | 1107 | 9-0 | 11-0081 | 2-3244 | 6485 | 1238 | 8-0 | 13-9966 | 3-5219 |
| 5332 | 982 | 8-9 | 18-9817 | 18-1315 | 6012 | 1109 | 8-9 | 11-9705 | 11-5043 | 6658 | 1240 | 8-5 | 14-3781 | 17-7543 |
| 5367 | 983 | 7-6 | 19-1324 | 22-3391 | 5961 | 1115 | 8-9 | 14-0233 | 6-8858 | 6673 | 1241 | 8-8 | 14-4339 | 19-5857 |
| 5266 | 984 | 7-3 | 19-5086 | 10-6942 | 5995 | 1117 | 6-6 | 14-3105 | 10-0884 | 6675 | 1249 | 6-8 | 17-0849 | 19-5972 |
| 5231 | 986 | 8-9 | 20-3555 | 6-4323 | 5997 | 1120 | 6-9 | 15-0608 | 9-7821 | 6637 | 1250 | 7-5 | 17-3647 | 16-1732 |
| 5269 | 987 | 8-7 | 22-2835 | 10-0936 | 6103 | 1122 | 8-8 | 15-2967 | 20-0173 | 6599 | 1251 | 8-4 | 17-4570 | 12-6813 |
| 5358 | 988 | 8-5 | 22-3629 | 20-8958 | 5979 | 1126 | 8-9 | 18-1680 | 7-4334 | 6648 | 1253 | 8-5 | 17-7415 | 17-3128 |
| 5350 | 992 | 9-0 | 25-5227 | 20-1847 | 5956 | 1128 | 8-7 | 18-6336 | 5-3964 | 6462 | 1255 | 8-7 | 19-3513 | 1-4575 |
| | | | | | 6120 | 1130 | 8-8 | 18-9160 | 21-1854 | 6640 | 1256 | 8-6 | 19-6023 | 17-2655 |
| | | | | | 6128 | 1140 | 9-0 | 21-8865 | 22-3014 | 6700 | 1257 | 9-0 | 19-7720 | 21-2006 |
| | | | | | 5908 | 1141 | 8-3 | 22-1801 | 0-9106 | 6546 | 1258 | 8-1 | 20-4541 | 9-2433 |
| | | | | | 6129 | 1144 | 7-7 | 22-3872 | 21-7384 | 6561 | 1260 | 9-0 | 21-3675 | 10-3725 |
| | | | | | 6135 | 1146 | 8-9 | 23-7529 | 23-4803 | 6477 | 1264 | 8-4 | 23-0130 | 2-5444 |
| | | | | | 5919 | 1150 | 9-0 | 25-4548 | 1-3554 | 6498 | 1265 | 8-7 | 23-2087 | 5-0171 |
| | | | | | | | | | | 6703 | 1268 | 8-6 | 23-4618 | 21-3393 |
| | | | | | | | | | | 6538 | 1269 | 8-6 | 23-9379 | 8-0509 |
| | | | | | | | | | | 6589 | 1270 | 8-6 | 25-2481 | 11-8677 |
| R.A. 3 ^h 32 ^m | | | | | R.A. 3 ^h 56 ^m | | | | | R.A. 4 ^h 12 ^m | | | | |
| 5569 | 992 | 9-0 | 2-9095 | 20-1705 | 6411 | 1146 | 8-9 | 1-1773 | 23-4866 | 6830 | 1264 | 8-4 | 0-1994 | 2-5595 |
| 5461 | 994 | 8-7 | 3-1878 | 10-0470 | 6212 | 1150 | 9-0 | 2-6276 | 1-3441 | 6848 | 1265 | 8-7 | 0-4232 | 5-0301 |
| 5543 | 995 | 9-0 | 4-7553 | 17-8365 | 6209 | 1151 | 8-4 | 3-2291 | 11-1396 | 7062 | 1268 | 8-6 | 0-8618 | 21-3400 |
| 5479 | 1006 | 8-1 | 12-1366 | 11-5522 | 6263 | 1154 | 8-9 | 5-3114 | 6-7715 | 6883 | 1269 | 8-6 | 1-1870 | 8-0558 |
| 5580 | 1008 | 8-0 | 12-7906 | 21-4931 | 6264 | 1156 | 8-7 | 6-1410 | 6-5202 | 6935 | 1270 | 8-6 | 2-5404 | 11-8576 |
| 5423 | 1010 | 9-1 | 14-0574 | 3-4650 | 6390 | 1157 | 9-0 | 6-2657 | 21-6393 | 7042 | 1274 | 8-9 | 4-7467 | 20-0831 |
| 5424 | 1011 | 8-6 | 14-7813 | 3-4662 | 6203 | 1159 | 9-1 | 7-0007 | 0-3972 | 6852 | 1277 | 8-4 | 5-3357 | 4-7124 |
| 5404 | 1015 | 9-1 | 17-0572 | 0-8640 | 6220 | 1160 | 9-1 | 7-3630 | 3-6940 | 6668 | 1283 | 8-9 | 8-1402 | 14-4682 |
| 5511 | 1018 | 8-6 | 18-6145 | 13-8912 | 6330 | 1162 | 8-9 | 9-2169 | 15-7199 | 6807 | 1284 | 9-2 | 9-1137 | 0-4573 |
| 5540 | 1024 | 7-9 | 21-5265 | 16-9044 | 6280 | 1163 | 9-3 | 9-4002 | 8-6661 | 6855 | 1287 | 9-2 | 10-5399 | 4-6497 |
| 5614 | 1029 | 7-1 | 23-5435 | 24-0335 | 6281 | 1164 | 9-1 | 9-5307 | 8-7826 | 6922 | 1288 | 6-9 | 11-1143 | 11-6852 |
| 5595 | 1030 | 8-7 | 24-4545 | 21-9827 | 6376 | 1167 | 8-4 | 10-9369 | 3-3608 | 6888 | 1289 | 8-8 | 11-4759 | 8-0988 |
| R.A. 3 ^h 40 ^m | | | | | 6249 | 1169 | 9-2 | 11-8261 | 18-5784 | 6822 | 1293 | 7-6 | 12-5314 | 2-4826 |
| 5834 | 1029 | 7-1 | 0-9742 | 24-0424 | 6240 | 1171 | 9-2 | 13-0849 | 5-9101 | 7097 | 1295 | 9-0 | 13-4628 | 23-2472 |
| 5817 | 1030 | 8-7 | 1-8610 | 21-0810 | 6241 | 1178 | 9-4 | 15-7124 | 4-4687 | 7067 | 1297 | 8-8 | 15-3820 | 21-5209 |
| 5818 | 1032 | 6-9 | 2-2229 | 22-5917 | 6305 | 1180 | 8-8 | 16-2073 | 10-5916 | 7013 | 1299 | 9-1 | 15-6599 | 17-4926 |
| 5710 | 1034 | 9-2 | 2-7713 | 9-6407 | 6252 | 1181 | 8-9 | 16-6688 | 5-9583 | 7080 | 1300 | 8-3 | 15-6644 | 22-2507 |
| 5669 | 1035 | 8-9 | 3-4245 | 3-5820 | 6283 | 1182 | 7-9 | 16-8503 | 8-7729 | 7068 | 1301 | 9-0 | 16-0093 | 21-9682 |
| 5807 | 1037 | 8-6 | 3-7821 | 21-5769 | 6406 | 1187 | 7-0 | 18-8600 | 22-3169 | 7024 | 1305 | 8-5 | 18-3788 | 18-7409 |
| 5836 | 1038 | 7-0 | 4-2663 | 23-8873 | 6352 | 1188 | 8-8 | 19-3313 | 16-8913 | ... | 1310 | 8-3 | 19-5459 | 0-4280 |
| 5722 | 1041 | 9-3 | 6-1933 | 10-8845 | 6353 | 1190 | 9-4 | 19-6979 | 17-2052 | 7053 | 1311 | 9-3 | 19-5528 | 20-7008 |
| 5771 | 1043 | 8-7 | 6-4845 | 16-8436 | 6354 | 1193 | 9-7 | 19-8471 | 17-4283 | 6824 | 1312 | 7-0 | 20-2501 | 2-1344 |
| 5753 | 1046 | 8-6 | 7-8439 | 14-6180 | 6276 | 1199 | 9-0 | 22-2839 | 7-8583 | 6914 | 1317 | 7-9 | 22-5033 | 10-1712 |
| 5732 | 1048 | 8-0 | 8-0265 | 13-3732 | 6258 | 1201 | 8-9 | 22-7651 | 6-0092 | 6814 | 1316 | 8-5 | 24-6770 | 0-7782 |
| 5703 | 1051 | 8-8 | 9-8345 | 8-8641 | 6408 | 1204 | 7-6 | 23-9170 | 21-9519 | 7035 | 1320 | 6-7 | 25-5243 | 19-9331 |
| 5784 | 1053 | 7-8 | 11-3072 | 18-1825 | R.A. 4 ^h 4 ^m | | | | | R.A. 4 ^h 20 ^m | | | | |
| 5699 | 1058 | 9-0 | 13-1268 | 8-2676 | 6705 | 1204 | 7-6 | 1-3241 | 21-9564 | 7155 | 1316 | 8-5 | 1-8434 | 0-7755 |
| 5691 | 1060 | 8-8 | 14-5000 | 5-5566 | 6479 | 1210 | 9-0 | 2-7993 | 3-7308 | 7389 | 1320 | 6-7 | 2-9083 | 19-9188 |
| 5786 | 1061 | 8-5 | 14-5653 | 18-3808 | 6457 | 1215 | 8-9 | 6-2247 | 2-2254 | 7434 | 1321 | 8-8 | 3-2664 | 23-4710 |
| 5787 | 1064 | 9-1 | 15-2451 | 18-4614 | 6466 | 1216 | 9-5 | 6-3807 | 2-2463 | 7369 | 1322 | 8-0 | 3-3440 | 18-8188 |
| 5762 | 1070 | 8-9 | 16-6679 | 16-4132 | 6708 | 1218 | 7-2 | 6-9083 | 22-4013 | 7454 | 1323 | 9-1 | 3-4037 | 25-7098 |
| 5763 | 1074 | 9-1 | 18-5700 | 15-9469 | 6492 | 1220 | 7-0 | 7-6819 | 4-8437 | 7425 | 1326 | 9-0 | 4-2938 | 22-4331 |
| 5791 | 1077 | 8-9 | 20-4831 | 18-5425 | 6629 | 1221 | 9-0 | 7-7331 | 16-4921 | 7304 | 1329 | 8-9 | 5-9314 | 13-6212 |
| 5748 | 1078 | 9-1 | 20-6589 | 14-4031 | | | | | | | | | | |
| 5847 | 1081 | 9-1 | 23-1494 | 24-6793 | | | | | | | | | | |
| R.A. 3 ^h 48 ^m | | | | | | | | | | | | | | |
| 6149 | 1081 | 9-1 | 0-5875 | 24-6927 | | | | | | | | | | |
| 6063 | 1089 | 9-3 | 3-3276 | 16-7926 | | | | | | | | | | |
| 5940 | 1090 | 8-6 | 3-5715 | 4-3386 | | | | | | | | | | |

| Reference No. | | | | Standard co-ordinates, 1900-0. | | | | Reference No. | | | | Standard co-ordinates, 1900-0. | | | | Reference No. | | | | Standard co-ordinates, 1900-0. | | | |
|---|------|----------|---------|--------------------------------|------|------|-----|---|---------|----------|------|--------------------------------|---------|---------|--|---|--|----------|--|--------------------------------|--|----|--|
| Hyd. | | Algiers. | | ξ. | | η. | | Hyd. | | Algiers. | | ξ. | | η. | | Hyd. | | Algiers. | | ξ. | | η. | |
| R.A. 4 ^h 20 ^m (continued) | | | | | | | | R.A. 4 ^h 36 ^m (continued) | | | | | | | | R.A. 4 ^h 52 ^m (continued) | | | | | | | |
| 7435 | 1330 | 8-2 | 6-5909 | 23-3509 | 7964 | 1444 | 7-4 | 7-6499 | 23-0836 | 8614 | 1574 | 8-8 | 22-2970 | 15-0232 | | | | | | | | | |
| 7402 | 1331 | 8-3 | 9-8415 | 20-8799 | 7840 | 1446 | 8-8 | 8-1396 | 11-5079 | 8534 | 1576 | 8-1 | 22-5439 | 10-7002 | | | | | | | | | |
| 7187 | 1332 | 8-7 | 7-4402 | 3-3667 | 7879 | 1448 | 8-7 | 8-7558 | 14-0282 | 8577 | 1579 | 8-8 | 23-0385 | 12-7063 | | | | | | | | | |
| 7307 | 1333 | 8-7 | 7-5047 | 14-2515 | 7975 | 1449 | 8-8 | 9-2700 | 24-1056 | 8750 | 1580 | 7-9 | 24-1981 | 22-4596 | | | | | | | | | |
| 7324 | 1337 | 8-8 | 9-3579 | 14-8656 | 7906 | 1452 | 8-5 | 10-0320 | 17-1000 | 8616 | 1582 | 9-0 | 24-7634 | 14-5462 | | | | | | | | | |
| 7336 | 1342 | 9-0 | 10-0243 | 16-3218 | 7780 | 1455 | 8-8 | 11-3646 | 4-6655 | | | | | | | | | | | | | | |
| 7406 | 1343 | 8-0 | 10-0357 | 21-4653 | 7802 | 1458 | 9-0 | 12-2327 | 6-8622 | | | | | | | | | | | | | | |
| 7251 | 1347 | 8-9 | 12-0322 | 10-1535 | 7966 | 1462 | 5-0 | 13-1876 | 23-3605 | | | | | | | | | | | | | | |
| 7252 | 1352 | 8-9 | 15-7677 | 10-1566 | 7978 | 1463 | 9-3 | 14-2934 | 23-0663 | | | | | | | | | | | | | | |
| 7171 | 1355 | 8-0 | 17-3974 | 2-1153 | 7939 | 1466 | 8-8 | 15-8087 | 20-6537 | | | | | | | | | | | | | | |
| 7443 | 1357 | 8-8 | 18-1568 | 23-6120 | 7767 | 1471 | 8-6 | 19-5069 | 2-5986 | 8945 | 1579 | 8-8 | 0-3404 | 12-7210 | | | | | | | | | |
| 7233 | 1361 | 8-1 | 19-7467 | 8-3101 | 7768 | 1472 | 8-7 | 19-8888 | 2-8146 | 8952 | 1580 | 7-9 | 1-6109 | 22-4608 | | | | | | | | | |
| 7280 | 1362 | 7-2 | 19-9438 | 11-5930 | 7755 | 1473 | 8-8 | 19-9157 | 1-1969 | 8971 | 1582 | 9-0 | 2-0862 | 14-5414 | | | | | | | | | |
| 7432 | 1364 | 9-1 | 20-4083 | 22-5580 | 7981 | 1476 | 9-2 | 20-1553 | 24-7342 | 8988 | 1586 | 9-1 | 4-0906 | 15-7091 | | | | | | | | | |
| 7173 | 1365 | 9-1 | 20-5823 | 1-7700 | 7847 | 1484 | 5-5 | 23-5536 | 11-2540 | 8874 | 1587 | 8-5 | 4-1179 | 7-1744 | | | | | | | | | |
| 7317 | 1367 | 9-3 | 21-6116 | 14-5884 | 7873 | 1488 | 8-8 | 24-1592 | 12-9964 | 8824 | 1592 | 9-1 | 4-7727 | 1-4887 | | | | | | | | | |
| 7398 | 1368 | 8-1 | 22-3111 | 10-9869 | 7874 | 1489 | 8-5 | 24-1710 | 13-0660 | 9071 | 1596 | 7-4 | 6-0727 | 22-7024 | | | | | | | | | |
| 7266 | 1369 | 8-4 | 22-4994 | 4-9084 | 7883 | 1490 | 8-5 | 24-7325 | 14-0146 | 8898 | 1598 | 8-8 | 7-6255 | 8-4093 | | | | | | | | | |
| 7160 | 1370 | 8-7 | 22-5865 | 0-7768 | | | | | | 8993 | 1602 | 9-0 | 9-7148 | 16-1484 | | | | | | | | | |
| 7177 | 1371 | 7-1 | 23-0021 | 1-7835 | | | | | | 9044 | 1604 | 8-6 | 10-2097 | 20-7044 | | | | | | | | | |
| 7418 | 1374 | 5-2 | 25-0060 | 21-1589 | | | | | | 8858 | 1605 | 8-6 | 10-4565 | 5-1232 | | | | | | | | | |
| R.A. 4 ^h 28 ^m | | | | | | | | R.A. 4 ^h 44 ^m | | | | | | | | R.A. 5 ^h 0 ^m | | | | | | | |
| 7508 | 1371 | 7-1 | 0-1799 | 1-7987 | 8126 | 1484 | 5-5 | 0-8391 | 11-2630 | 8953 | 1612 | 8-9 | 13-3044 | 13-1187 | | | | | | | | | |
| 7684 | 1374 | 5-2 | 2-4040 | 21-1506 | 8159 | 1488 | 8-8 | 1-4644 | 12-9986 | 9061 | 1613 | 8-6 | 13-4680 | 22-2008 | | | | | | | | | |
| 7559 | 1375 | 8-1 | 3-7510 | 0-3671 | 8160 | 1489 | 8-5 | 1-7230 | 13-0651 | 8828 | 1614 | 7-5 | 13-5659 | 1-2870 | | | | | | | | | |
| 7584 | 1379 | 9-0 | 5-2633 | 12-4893 | 8051 | 1494 | 8-7 | 2-0493 | 14-0101 | 8829 | 1616 | 8-4 | 13-7367 | 1-9589 | | | | | | | | | |
| 7502 | 1381 | 8-9 | 6-6089 | 1-0885 | 8003 | 1499 | 7-9 | 7-2910 | 1-0718 | 8878 | 1629 | 9-0 | 19-2173 | 6-3229 | | | | | | | | | |
| 7517 | 1386 | 8-9 | 8-7923 | 3-0536 | 8064 | 1500 | 9-1 | 7-9951 | 6-1128 | 8870 | 1632 | 8-9 | 20-8534 | 6-2277 | | | | | | | | | |
| 7690 | 1387 | 8-7 | 9-6663 | 21-2893 | 8089 | 1502 | 7-3 | 8-5083 | 7-9509 | 9029 | 1633 | 6-9 | 20-9456 | 19-4061 | | | | | | | | | |
| 7613 | 1389 | 9-0 | 11-7100 | 14-0107 | 8065 | 1510 | 8-7 | 12-6689 | 6-1848 | 8846 | 1634 | 8-7 | 22-0209 | 2-7757 | | | | | | | | | |
| 7708 | 1391 | 9-0 | 11-8844 | 23-3604 | 8334 | 1511 | 7-7 | 12-8857 | 23-8741 | 8985 | 1635 | 8-6 | 22-1860 | 15-0232 | | | | | | | | | |
| 7602 | 1395 | 8-6 | 12-6515 | 12-6177 | 8349 | 1513 | 7-8 | 13-0921 | 25-3465 | 8930 | 1636 | 8-9 | 22-3208 | 11-0384 | | | | | | | | | |
| 7505 | 1397 | 7-9 | 13-0576 | 0-4385 | 8351 | 1516 | 8-7 | 13-0966 | 25-7905 | 8854 | 1642 | 8-0 | 24-7104 | 4-0240 | | | | | | | | | |
| 7527 | 1398 | 8-9 | 13-3365 | 5-1023 | 8221 | 1519 | 8-7 | 19-0493 | 15-7560 | 9155 | 1642 | 8-0 | 1-9137 | 4-0207 | | | | | | | | | |
| 7709 | 1400 | 8-8 | 14-3920 | 22-8005 | 8393 | 1520 | 7-5 | 19-6449 | 13-8488 | 9131 | 1644 | 8-7 | 3-1951 | 1-4529 | | | | | | | | | |
| 7677 | 1401 | 7-9 | 15-0716 | 19-8454 | 8108 | 1521 | 9-1 | 20-4268 | 9-3269 | 9250 | 1654 | 8-8 | 7-7849 | 10-4534 | | | | | | | | | |
| 7721 | 1405 | 8-8 | 15-8021 | 24-6600 | 8079 | 1523 | 8-7 | 21-1471 | 7-1818 | 9325 | 1657 | 8-8 | 9-4522 | 16-3446 | | | | | | | | | |
| 7537 | 1408 | 7-5 | 17-1826 | 5-7062 | 8291 | 1527 | 9-1 | 23-7059 | 19-8101 | 9326 | 1658 | 8-5 | 9-4905 | 16-3995 | | | | | | | | | |
| 7590 | 1409 | 9-0 | 17-1936 | 11-5587 | 8144 | 1528 | 9-0 | 24-8015 | 11-1396 | 9313 | 1663 | 9-0 | 11-1483 | 14-6066 | | | | | | | | | |
| 7054 | 1410 | 8-5 | 17-2737 | 17-6538 | | | | | | | | | | | | | | | | | | | |
| 7507 | 1414 | 9-1 | 19-5875 | 0-2025 | | | | | | | | | | | | | | | | | | | |
| 7655 | 1415 | 8-7 | 19-7404 | 17-9301 | | | | | | | | | | | | | | | | | | | |
| 7656 | 1420 | 8-9 | 22-4172 | 18-1628 | | | | | | | | | | | | | | | | | | | |
| 7511 | 1425 | 9-4 | 23-3554 | 2-0573 | | | | | | | | | | | | | | | | | | | |
| 7594 | 1426 | 8-9 | 23-3523 | 12-1880 | | | | | | | | | | | | | | | | | | | |
| 7558 | 1429 | 8-8 | 25-1481 | 7-9230 | | | | | | | | | | | | | | | | | | | |
| 7512 | 1430 | 8-8 | 25-2262 | 2-0939 | | | | | | | | | | | | | | | | | | | |
| R.A. 4 ^h 36 ^m | | | | | | | | R.A. 4 ^h 52 ^m | | | | | | | | R.A. 5 ^h 0 ^m | | | | | | | |
| 7758 | 1425 | 9-4 | 0-5363 | 2-0687 | 8687 | 1527 | 9-1 | 1-0886 | 19-8172 | 9365 | 1668 | 8-5 | 13-7391 | 18-8715 | | | | | | | | | |
| 7849 | 1426 | 8-9 | 0-6484 | 12-1993 | 8521 | 1528 | 9-0 | 2-0856 | 11-1346 | 9261 | 1669 | 9-0 | 14-0184 | 10-8913 | | | | | | | | | |
| 7807 | 1429 | 8-8 | 2-3956 | 7-9144 | 8420 | 1532 | 8-9 | 3-2603 | 4-3076 | 9138 | 1673 | 8-5 | 15-1943 | 1-9722 | | | | | | | | | |
| 7759 | 1430 | 8-8 | 2-4075 | 2-0851 | 8556 | 1533 | 8-6 | 3-4028 | 12-9007 | 9174 | 1674 | 8-5 | 15-3109 | 4-3545 | | | | | | | | | |
| 7793 | 1435 | 9-1 | 4-8104 | 24-2279 | 8375 | 1538 | 8-7 | 4-7295 | 0-9136 | 9243 | 1675 | 7-6 | 15-9350 | 9-1031 | | | | | | | | | |
| 7798 | 1438 | 7-0 | 5-3479 | 7-3882 | 8421 | 1542 | 9-1 | 6-4336 | 4-1701 | 9210 | 1682 | 7-6 | 18-9482 | 7-0202 | | | | | | | | | |
| 7751 | 1439 | 7-2 | 6-2098 | 1-1995 | .. | 1548 | 8-6 | 10-5062 | 0-0932 | 9318 | 1685 | 8-0 | 21-6099 | 15-0877 | | | | | | | | | |
| 7865 | 1443 | 8-8 | 7-5634 | 13-4287 | 8511 | 1549 | 9-3 | 10-5452 | 9-7542 | | | | | | | | | | | | | | |
| | | | | | 8778 | 1550 | 8-8 | 10-8480 | 23-8922 | | | | | | | | | | | | | | |
| | | | | | 8642 | 1556 | 8-7 | 17-0595 | 17-3653 | | | | | | | | | | | | | | |
| | | | | | 8424 | 1558 | 8-0 | 14-7626 | 4-2290 | | | | | | | | | | | | | | |
| | | | | | 8444 | 1559 | 8-8 | 14-8061 | 7-5940 | | | | | | | | | | | | | | |
| | | | | | 8491 | 1561 | 8-4 | 15-2804 | 9-4032 | | | | | | | | | | | | | | |
| | | | | | 8459 | 1564 | 8-7 | 16-4216 | 6-2593 | | | | | | | | | | | | | | |
| | | | | | 8492 | 1565 | 8-9 | 16-9422 | 8-5191 | | | | | | | | | | | | | | |
| | | | | | 8383 | 1568 | 6-5 | 19-5998 | 0-5280 | | | | | | | | | | | | | | |
| | | | | | 8445 | 1569 | 8-9 | 19-7705 | 4-5376 | | | | | | | | | | | | | | |
| | | | | | 8575 | 1571 | 9-0 | 19-9655 | 12-9642 | | | | | | | | | | | | | | |
| R.A. 5 ^h 16 ^m | | | | | | | | R.A. 5 ^h 32 ^m | | | | | | | | R.A. 5 ^h 48 ^m | | | | | | | |
| 9566 | 1695 | 8-1 | 5-1770 | 10-2448 | 9566 | 1696 | 8-9 | 5-1690 | 0-6775 | 9566 | 1696 | 8-9 | 5-1690 | 0-6775 | | | | | | | | | |
| 9462 | 1696 | 8-9 | 5-3044 | 3-9647 | 9500 | 1697 | 8-7 | 5-3044 | 3-9647 | 9500 | 1698 | 8-0 | 5-4947 | 19-9251 | | | | | | | | | |
| 9704 | 1698 | 8-0 | 5-4947 | 19-9251 | 9529 | 1699 | 8-9 | 6-2152 | 6-4373 | 9529 | 1699 | 8-9 | 6-2152 | 6-4373 | | | | | | | | | |
| 9568 | 1700 | 8-2 | 6-2672 | 9-6364 | 9568 | 1700 | 8-2 | 6-2672 | 9-6364 | | | | | | | | | | | | | | |

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| Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | |
|---|----------|------|-----------------------------------|---------|---|----------|------|-----------------------------------|---------|---|----------|------|-----------------------------------|---------|
| Hyd. | Algiers. | | ξ. | η. | Hyd. | Algiers. | | ξ. | η. | Hyd. | Algiers. | | ξ. | η. |
| R.A. 5 ^h 16 ^m (continued) | | | | | R.A. 5 ^h 32 ^m (continued) | | | | | R.A. 5 ^h 48 ^m (continued) | | | | |
| 9581 | 1701 | 8.7 | 7.2703 | 11.1151 | 10,269 | 1820 | 7.8 | 6.8562 | 5.8862 | 11,517 | 1935 | 8.9 | 1.7914 | 13.7069 |
| 9591 | 1704 | 6.5 | 8.4107 | 3.8403 | 10,380 | 1822 | 6.9 | 7.9303 | 11.5639 | 11,264 | 1940 | 8.6 | 3.6033 | 2.0807 |
| 9750 | 1707 | 8.6 | 9.3955 | 24.6398 | 10,535 | 1826 | 9.5 | 9.9412 | 18.1190 | 11,587 | 1943 | 7.8 | 4.1418 | 18.2000 |
| 9757 | 1710 | 6.7 | 8.9817 | 8.4880 | 10,496 | 1827 | 8.6 | 9.3951 | 16.0816 | 11,403 | 1947 | 8.9 | 6.0120 | 9.3600 |
| 9545 | 1711 | 9.2 | 10.0720 | 7.9624 | 10,681 | 1828 | 8.2 | 11.5200 | 25.1302 | 11,326 | 1950 | 8.7 | 6.6102 | 4.7465 |
| 9707 | 1720 | 9.1 | 12.0091 | 20.3833 | 10,364 | 1829 | 8.6 | 12.2207 | 10.0041 | 11,252 | 1953 | 9.0 | 7.1007 | 0.5926 |
| 9693 | 1721 | 8.9 | 13.4049 | 10.0992 | 10,610 | 1832 | 8.2 | 14.4230 | 21.5270 | 11,427 | 1954 | 8.8 | 7.4113 | 10.0797 |
| 9732 | 1725 | 7.6 | 14.6624 | 22.4606 | 10,666 | 1833 | 8.3 | 14.9127 | 24.8601 | 11,466 | 1957 | 8.9 | 8.7454 | 8.6731 |
| 9710 | 1728 | 9.1 | 15.5405 | 19.8665 | 10,667 | 1834 | 8.5 | 14.9267 | 24.0432 | 11,429 | 1958 | 8.9 | 9.1460 | 10.0256 |
| 9597 | 1729 | 9.2 | 17.3705 | 12.2325 | 10,407 | 1835 | 8.6 | 15.1302 | 12.6185 | .. | 1961 | 8.5 | 10.3122 | 0.1392 |
| 9507 | 1731 | 8.7 | 18.5846 | 3.5771 | 10,317 | 1836 | 9.1 | 16.5094 | 7.5900 | 11,607 | 1962 | 8.9 | 10.5662 | 22.6455 |
| 9754 | 1732 | 7.9 | 19.3737 | 24.7065 | 10,360 | 1838 | 8.5 | 18.2180 | 10.2670 | 11,522 | 1963 | 8.8 | 10.6122 | 14.3104 |
| 9755 | 1733 | 8.6 | 19.4240 | 24.4233 | 10,248 | 1843 | 9.0 | 19.2445 | 3.8485 | 11,431 | 1966 | 8.9 | 11.2314 | 10.3435 |
| 9685 | 1741 | 9.0 | 23.3510 | 17.6398 | .. | 1848 | 8.8 | 21.3843 | 0.0887 | 11,594 | 1968 | 7.7 | 11.8900 | 17.9540 |
| 9498 | 1742 | 8.9 | 23.9844 | 3.1081 | 10,653 | 1849 | 8.5 | 21.7332 | 23.1414 | 11,524 | 1969 | 7.4 | 12.5998 | 13.9397 |
| 9686 | 1743 | 9.3 | 24.2328 | 17.7130 | 10,373 | 1850 | 8.5 | 22.4003 | 10.3405 | 11,274 | 1974 | 9.0 | 15.1105 | 1.7268 |
| 9671 | 1746 | 8.9 | 24.8205 | 16.7163 | 10,324 | 1853 | 8.8 | 23.0168 | 8.0458 | 11,702 | 1975 | 9.1 | 15.3858 | 23.8510 |
| | | | | | 10,416 | 1856 | 8.6 | 23.3025 | 12.5958 | 11,296 | 1980 | 8.8 | 17.1317 | 3.0201 |
| | | | | | 10,505 | 1857 | 7.7 | 24.2180 | 16.3253 | 11,651 | 1981 | 6.9 | 17.6148 | 20.9056 |
| | | | | | 10,620 | 1858 | 8.7 | 24.3403 | 21.7080 | 11,652 | 1984 | 7.9 | 19.1193 | 21.6775 |
| | | | | | 10,376 | 1859 | 8.7 | 24.6738 | 10.6251 | 11,489 | 1985 | 8.5 | 19.5872 | 11.5448 |
| | | | | | 10,283 | 1866 | 8.8 | 25.5910 | 6.3288 | 11,513 | 1988 | 7.7 | 22.1592 | 12.7317 |
| | | | | | R.A. 5 ^h 40 ^m | | | | | | | | | |
| 10,072 | 1741 | 9.0 | 0.7000 | 17.6510 | 10,872 | 1853 | 8.8 | 0.2658 | 8.6609 | R.A. 5 ^h 56 ^m | | | | |
| 9.796 | 1742 | 8.9 | 1.1773 | 3.1126 | 10,905 | 1856 | 8.6 | 0.6032 | 12.6076 | 12,116 | 1991 | 8.8 | 0.4153 | 15.1410 |
| 10,074 | 1743 | 9.3 | 1.5917 | 17.7141 | 11,025 | 1857 | 7.7 | 1.5611 | 16.3266 | 11,883 | 2005 | 8.5 | 2.6725 | 4.6909 |
| 10,053 | 1746 | 8.9 | 2.1680 | 16.7106 | 11,123 | 1858 | 8.7 | 1.7445 | 21.7074 | 12,143 | 2008 | 8.6 | 3.7502 | 15.8017 |
| 10,075 | 1750 | 7.5 | 3.5329 | 18.5905 | 10,933 | 1859 | 8.7 | 1.9521 | 10.6215 | 11,823 | 2010 | 7.0 | 4.8991 | 1.8147 |
| 9.927 | 1751 | 8.6 | 3.7048 | 10.7374 | 10,830 | 1866 | 8.8 | 2.8203 | 6.3212 | 12,184 | 2011 | 7.8 | 5.6479 | 17.7767 |
| 10,056 | 1752 | 8.7 | 4.6457 | 17.4782 | 10,902 | 1867 | 8.8 | 3.7347 | 14.5973 | 12,029 | 2015 | 8.8 | 6.8002 | 10.5778 |
| 10,143 | 1756 | 8.3 | 6.3420 | 22.3332 | 10,836 | 1868 | 8.2 | 4.0206 | 7.1668 | 11,805 | 2016 | 8.7 | 6.8560 | 0.9708 |
| 10,144 | 1757 | 7.0 | 6.4081 | 22.4023 | 10,972 | 1871 | 8.6 | 6.3385 | 13.3944 | 12,095 | 2020 | 8.7 | 8.7968 | 13.9721 |
| 10,121 | 1758 | 8.7 | 7.1655 | 20.0894 | 10,762 | 1878 | 8.9 | 8.2721 | 1.4505 | 11,928 | 2028 | 8.8 | 11.8274 | 7.0501 |
| 9.987 | 1764 | 8.9 | 9.4207 | 14.3315 | 10,835 | 1879 | 8.5 | 8.6047 | 5.9081 | 12,307 | 2030 | 8.7 | 12.1233 | 23.2306 |
| 10,016 | 1765 | 8.5 | 9.7018 | 15.1677 | 10,835 | 1880 | 8.5 | 9.0093 | 9.7966 | 12,341 | 2034 | 9.1 | 12.5391 | 25.1780 |
| 9.815 | 1766 | 9.1 | 10.9468 | 3.6178 | 10,835 | 1884 | 5.5 | 10.1078 | 8.2360 | 11,804 | 2039 | 8.7 | 16.1478 | 4.4829 |
| 9.790 | 1770 | 8.1 | 11.6099 | 2.0448 | 10,835 | 1884 | 7.7 | 11.5274 | 21.3673 | 11,849 | 2042 | 8.6 | 16.8434 | 1.7539 |
| 9.910 | 1772 | 8.8 | 12.2770 | 9.8998 | 10,835 | 1884 | 7.6 | 12.1019 | 4.9595 | 11,931 | 2043 | 8.4 | 17.1188 | 7.2357 |
| 10,124 | 1775 | 9.0 | 12.9114 | 20.2475 | 10,835 | 1884 | 7.5 | 12.3936 | 2.3673 | 12,260 | 2046 | 8.3 | 18.2834 | 21.2976 |
| 10,171 | 1776 | 8.8 | 13.0329 | 24.7384 | 10,835 | 1884 | 8.4 | 13.4995 | 10.4900 | 12,346 | 2047 | 8.3 | 18.4772 | 25.2509 |
| 10,022 | 1780 | 8.4 | 14.9768 | 15.6750 | 10,835 | 1884 | 8.7 | 14.5738 | 13.5797 | 11,963 | 2048 | 8.2 | 18.7359 | 7.7907 |
| 9.876 | 1781 | 8.8 | 15.1376 | 7.8874 | 10,835 | 1884 | 8.6 | 17.9147 | 9.6143 | 11,915 | 2051 | 8.5 | 19.3637 | 5.7936 |
| 9.894 | 1785 | 9.0 | 18.0953 | 8.6130 | 10,835 | 1884 | 8.8 | 18.5924 | 5.2209 | 11,859 | 2053 | 8.6 | 19.6800 | 2.8757 |
| 10,066 | 1786 | 9.0 | 18.5683 | 17.2383 | 10,835 | 1884 | 8.7 | 19.5478 | 13.0428 | 12,239 | 2054 | 9.0 | 19.6428 | 18.8499 |
| 9.805 | 1787 | 8.5 | 18.6703 | 9.0362 | 10,835 | 1884 | 9.0 | 20.2537 | 2.5137 | 12,265 | 2055 | 8.7 | 20.0356 | 21.6280 |
| 9.897 | 1788 | 8.5 | 19.5839 | 9.2220 | 10,835 | 1884 | 8.9 | 20.8034 | 3.4833 | 11,964 | 2062 | 8.9 | 22.8293 | 7.6301 |
| 10,116 | 1789 | 8.9 | 19.8093 | 19.0073 | 10,835 | 1884 | 8.8 | 21.9032 | 13.1759 | 12,086 | 2065 | 8.2 | 24.3331 | 13.0121 |
| 10,069 | 1795 | 8.5 | 21.9418 | 17.4315 | 10,835 | 1884 | 8.8 | 22.8266 | 8.8240 | 12,164 | 2066 | 8.8 | 24.7629 | 16.3109 |
| 9.805 | 1796 | 9.1 | 22.1607 | 3.1766 | 10,835 | 1884 | 8.8 | 23.8984 | 3.3761 | 12,271 | 2067 | 8.5 | 24.8723 | 21.7114 |
| 9.920 | 1797 | 8.4 | 22.5065 | 10.5087 | 10,835 | 1884 | 8.7 | 23.8798 | 25.7348 | 11,816 | 2068 | 8.0 | 25.4814 | 0.4387 |
| 10,034 | 1803 | 8.7 | 24.9847 | 15.1546 | 10,835 | 1884 | 9.0 | 24.5285 | 9.8775 | 11,847 | 2071 | 7.9 | 25.6502 | 1.9015 |
| | | | | | 10,808 | 1925 | 8.5 | 20.8534 | 13.7084 | 12,222 | 2072 | 8.4 | 25.6868 | 18.8489 |
| | | | | | 10,985 | 1927 | 8.5 | 21.9032 | | R.A. 6 ^h 4 ^m | | | | |
| | | | | | 10,901 | 1928 | 8.8 | 22.8266 | | 12,730 | 2065 | 8.2 | 1.6384 | 13.0123 |
| | | | | | 10,792 | 1932 | 8.8 | 23.8984 | | 12,838 | 2066 | 8.8 | 2.1058 | 16.3059 |
| | | | | | 11,216 | 1933 | 8.5 | 23.8798 | | 13,006 | 2067 | 8.5 | 2.2765 | 21.7047 |
| | | | | | 10,021 | 1934 | 9.0 | 24.5285 | | | | | | |
| | | | | | 11,003 | 1935 | 8.0 | 24.4781 | | | | | | |
| | | | | | R.A. 5 ^h 43 ^m | | | | | | | | | |
| 10,473 | 1803 | 8.7 | 2.3144 | 15.1472 | 11,302 | 1932 | 8.8 | 1.0943 | 3.3817 | 12,730 | 2065 | 8.2 | 1.6384 | 13.0123 |
| 10,474 | 1805 | 8.7 | 3.5086 | 14.8045 | 11,709 | 1933 | 8.5 | 1.3299 | 25.7395 | 12,838 | 2066 | 8.8 | 2.1058 | 16.3059 |
| 10,330 | 1810 | 8.7 | 4.9422 | 8.6019 | 11,423 | 1934 | 9.0 | 1.7983 | 9.8756 | 13,006 | 2067 | 8.5 | 2.2765 | 21.7047 |
| 10,512 | 1811 | 8.0 | 4.6746 | 17.3801 | | | | | | | | | | |
| 10,243 | 1813 | 8.8 | 5.4136 | 4.2166 | | | | | | | | | | |
| 10,356 | 1814 | 8.5 | 5.4719 | 9.9886 | | | | | | | | | | |
| 10,288 | 1815 | 9.0 | 5.6900 | 7.1971 | | | | | | | | | | |
| 10,552 | 1816 | 8.8 | 5.8594 | 19.0100 | | | | | | | | | | |
| 10,553 | 1817 | 8.9 | 6.0393 | 18.8019 | | | | | | | | | | |

| Reference No. | | | | Standard co-ordinates, 1900-0. | | | | Reference No. | | | | Standard co-ordinates, 1900-0. | | | | | | | | | | | |
|--|------|----------|---------|--------------------------------|-------------------------------------|------|-----|---|---------|-------------------------------------|---------|--------------------------------|-------------------------------------|---------|------|---|---------|---------|------|--------|---------|---------|--|
| Hyd. | | Algiers. | | ξ'. | | η'. | | Hyd. | | Algiers. | | ξ'. | | η'. | | | | | | | | | |
| R.A. 6 ^h 4 ^m (continued) | | | | | | | | R.A. 6 ^h 20 ^m (continued) | | | | | | | | R.A. 6 ^h 28 ^m (continued) | | | | | | | |
| 12,405 | 2068 | 8-0 | 2-6438 | 0-4272 | | | | 14,071 | 2200 | 8-8 | 3-2258 | 17-1117 | 14,357 | 2344 | 8-9 | 22-8901 | 3-7556 | | | | | | |
| 12,432 | 2071 | 7-9 | 2-8382 | 1-8879 | | | | 13,737 | 2207 | 8-0 | 5-1135 | 2-4167 | 14,445 | 2347 | 8-2 | 24-3238 | 7-9709 | | | | | | |
| 12,904 | 2072 | 8-4 | 3-0583 | 18-8329 | | | | 13,753 | 2208 | 9-0 | 5-1435 | 3-8763 | 14,633 | 2348 | 8-0 | 24-3126 | 17-9496 | | | | | | |
| 12,500 | 2076 | 9-2 | 5-2845 | 5-0960 | | | | 14,174 | 2210 | 7-5 | 5-4010 | 22-5324 | 14,446 | 2349 | 6-5 | 24-3807 | 7-9645 | | | | | | |
| 12,714 | 2078 | 9-1 | 6-5038 | 11-6177 | | | | 13,804 | 2212 | 8-8 | 5-7607 | 5-7611 | 14,359 | 2350 | 8-8 | 24-4347 | 4-2272 | | | | | | |
| 12,436 | 2079 | 8-7 | 6-6822 | 1-5481 | | | | 13,722 | 2213 | 8-8 | 5-8098 | 1-4735 | 14,580 | 2354 | 4-3 | 25-2450 | 15-0806 | | | | | | |
| 12,437 | 2080 | 8-9 | 6-7014 | 1-4362 | | | | 13,972 | 2214 | 9-1 | 5-9936 | 12-7726 | R.A. 6 ^h 36 ^m | | | | | | | | | | |
| 13,079 | 2084 | 8-8 | 8-9503 | 24-1382 | | | | 13,913 | 2215 | 8-9 | 6-2198 | 10-7257 | | | | | 14,963 | 2347 | 8-2 | 1-5719 | 7-9715 | | |
| 12,778 | 2085 | 8-8 | 9-2712 | 13-9365 | | | | 13,974 | 2216 | 9-2 | 6-6533 | 12-8038 | | | | | 15,248 | 2348 | 8-0 | 1-6742 | 17-9496 | | |
| 12,808 | 2092 | 5-8 | 11-1414 | 14-8522 | | | | 13,998 | 2218 | 8-7 | 7-2911 | 13-5922 | | | | | 14,964 | 2349 | 6-5 | 1-6288 | 7-9645 | | |
| 13,019 | 2095 | 8-3 | 12-3741 | 22-1103 | | | | 13,915 | 2223 | 8-9 | 8-6918 | 10-6259 | 14,865 | 2350 | 8-8 | 1-6403 | 4-2268 | | | | | | |
| 12,895 | 2096 | 8-6 | 12-4742 | 18-0075 | | | | 13,861 | 2224 | 8-7 | 8-8055 | 7-9679 | 15,158 | 2354 | 4-3 | 2-5738 | 15-0702 | | | | | | |
| 12,783 | 2097 | 9-0 | 13-4499 | 13-9321 | | | | 13,741 | 2225 | 8-5 | 9-6333 | 3-0613 | 15,037 | 2360 | 8-8 | 4-0738 | 11-1988 | | | | | | |
| 12,465 | 2100 | 6-7 | 15-6873 | 2-3046 | | | | 13,951 | 2227 | 7-5 | 10-5929 | 12-3507 | 14,944 | 2361 | 8-4 | 4-0761 | 6-4072 | | | | | | |
| 12,568 | 2102 | 8-2 | 15-7345 | 6-7534 | | | | 14,000 | 2230 | 9-2 | 10-9702 | 14-1100 | 15,347 | 2365 | 8-6 | 4-8567 | 21-5360 | | | | | | |
| 12,957 | 2106 | 8-9 | 16-3002 | 10-9227 | | | | 14,183 | 2232 | 7-3 | 11-5070 | 21-8028 | 15,201 | 2367 | 8-9 | 5-5189 | 15-6975 | | | | | | |
| 12,751 | 2108 | 8-8 | 16-4379 | 12-7643 | | | | 14,002 | 2233 | 9-1 | 11-7332 | 14-0464 | 14,847 | 2368 | 5-0 | 5-5508 | 2-8226 | | | | | | |
| 12,571 | 2116 | 8-9 | 19-7564 | 6-0950 | | | | 14,222 | 2235 | 8-6 | 12-5661 | 24-4635 | 15,424 | 2372 | 9-1 | 7-6504 | 24-1639 | | | | | | |
| 12,598 | 2120 | 8-7 | 23-2231 | 7-8594 | | | | 13,981 | 2236 | 9-0 | 13-2421 | 12-7887 | 14,869 | 2374 | 8-8 | 7-8789 | 4-2728 | | | | | | |
| 12,518 | 2133 | 8-8 | 25-2953 | 4-4199 | | | | 14,164 | 2239 | 8-8 | 14-5529 | 20-9687 | 14,827 | 2378 | 7-2 | 9-1703 | 2-1650 | | | | | | |
| R.A. 6 ^h 12 ^m | | | | | | | | 13,810 | 2241 | 8-7 | 15-3297 | 6-1484 | 15,401 | 2381 | 9-2 | 11-2083 | 23-5030 | | | | | | |
| | | | | | | | | 14,228 | 2244 | 8-3 | 16-4665 | 24-2475 | 15,143 | 2384 | 8-9 | 11-9600 | 13-9500 | | | | | | |
| | | | | | | | | 13,869 | 2246 | 8-7 | 17-0257 | 8-0141 | 15,112 | 2387 | 8-0 | 12-6899 | 13-0563 | | | | | | |
| | | | | | | | | 13,961 | 2249 | 8-3 | 17-9523 | 12-0185 | 15,434 | 2390 | 9-1 | 13-5000 | 24-7813 | | | | | | |
| 13,262 | 2120 | 8-7 | 0-4699 | 7-8723 | 14,060 | 2252 | 8-1 | 18-9917 | 16-1091 | 15,322 | 2394 | 9-2 | 15-6640 | 20-4469 | | | | | | | | | |
| 13,208 | 2133 | 8-8 | 2-5029 | 4-4101 | 13,748 | 2253 | 8-9 | 19-1846 | 3-0932 | 15,331 | 2402 | 9-5 | 17-0884 | 19-9385 | | | | | | | | | |
| 13,341 | 2137 | 8-9 | 3-9415 | 10-9586 | 13,932 | 2255 | 9-0 | 19-8390 | 11-2546 | 14,856 | 2403 | 8-6 | 17-2869 | 3-1237 | | | | | | | | | |
| 13,326 | 2141 | 8-9 | 5-5478 | 9-7684 | 13,880 | 2257 | 9-0 | 19-9611 | 0-1760 | 15,118 | 2405 | 9-0 | 17-6802 | 12-6648 | | | | | | | | | |
| 13,225 | 2142 | 8-8 | 5-7021 | 5-8437 | 13,089 | 2263 | 8-5 | 21-5591 | 12-6103 | 15,088 | 2408 | 9-1 | 18-3939 | 12-4483 | | | | | | | | | |
| 13,549 | 2144 | 8-6 | 6-5691 | 19-9587 | 14,111 | 2269 | 7-6 | 22-2221 | 17-7261 | 14,857 | 2411 | 8-9 | 18-6301 | 3-2877 | | | | | | | | | |
| 13,532 | 2146 | 8-0 | 7-2047 | 18-9605 | 13,991 | 2272 | 8-7 | 23-2502 | 13-4634 | 15,361 | 2412 | 8-9 | 18-6080 | 21-2276 | | | | | | | | | |
| 13,167 | 2147 | 8-5 | 8-1151 | 1-6363 | 14,196 | 2276 | 7-7 | 24-1183 | 21-8341 | 15,120 | 2413 | 8-8 | 18-6736 | 13-0564 | | | | | | | | | |
| 13,562 | 2149 | 8-8 | 8-7520 | 21-2967 | 14,150 | 2281 | 9-0 | 25-3168 | 20-5685 | 15,453 | 2414 | 9-0 | 18-6667 | 24-9071 | | | | | | | | | |
| 13,250 | 2151 | 6-5 | 9-9011 | 6-3254 | R.A. 6 ^h 28 ^m | | | | | | | | 15,298 | 2419 | 9-1 | 19-5905 | 19-4242 | | | | | | |
| 13,253 | 2153 | 8-8 | 10-2682 | 6-5970 | | | | | | | | | 14,519 | 2272 | 8-7 | 0-5608 | 13-4758 | 15,211 | 2420 | 8-9 | 19-9391 | 16-0912 | |
| 13,271 | 2155 | 8-8 | 10-4547 | 7-8678 | | | | | | | | | 14,686 | 2276 | 7-7 | 1-5239 | 21-8361 | 15,238 | 2423 | 8-7 | 20-8229 | 17-5100 | |
| 13,535 | 2156 | 8-3 | 10-8747 | 18-5410 | | | | | | | | | 14,653 | 2281 | 9-0 | 2-7080 | 20-5567 | 14,858 | 2424 | 9-1 | 21-1160 | 2-4200 | |
| 13,588 | 2157 | 8-6 | 11-0593 | 22-2458 | 14,726 | 2282 | 8-7 | 3-2747 | 24-7914 | 15,124 | 2426 | 8-3 | 21-1841 | 13-6288 | | | | | | | | | |
| 13,488 | 2163 | 8-7 | 13-0779 | 16-7827 | 14,484 | 2284 | 8-8 | 3-7226 | 11-3173 | 14,841 | 2430 | 8-9 | 22-3543 | 2-0061 | | | | | | | | | |
| 13,230 | 2166 | 8-0 | 14-2891 | 5-8975 | 14,383 | 2288 | 8-9 | 5-7175 | 6-2940 | 14,912 | 2431 | 8-7 | 23-7826 | 4-5905 | | | | | | | | | |
| 13,274 | 2167 | 8-0 | 14-4864 | 7-8595 | 14,364 | 2289 | 9-0 | 5-7339 | 5-3121 | 14,940 | 2432 | 9-1 | 24-1950 | 5-7428 | | | | | | | | | |
| 13,539 | 2173 | 8-8 | 16-5235 | 18-8573 | 14,386 | 2292 | 9-1 | 6-4846 | 5-8471 | 15,306 | 2436 | 7-5 | 24-8083 | 19-7189 | | | | | | | | | |
| 13,445 | 2174 | 7-2 | 16-9341 | 14-8182 | 14,563 | 2295 | 6-5 | 6-8868 | 14-7668 | 14,821 | 2439 | 9-0 | 25-3209 | 1-1657 | | | | | | | | | |
| 13,278 | 2176 | 9-0 | 17-9982 | 7-2819 | 14,329 | 2299 | 8-9 | 8-6741 | 2-4036 | 15,097 | 2441 | 7-3 | 25-4130 | 12-4444 | | | | | | | | | |
| 13,624 | 2177 | 6-0 | 18-3996 | 24-1470 | 14,340 | 2300 | 9-0 | 10-8297 | 14-9162 | 15,128 | 2443 | 9-3 | 25-5273 | 13-0623 | | | | | | | | | |
| 13,233 | 2178 | 8-7 | 18-5156 | 5-5170 | 14,568 | 2303 | 9-0 | 11-6426 | 0-8855 | 14,861 | 2444 | 9-2 | 25-6310 | 2-6025 | | | | | | | | | |
| 13,560 | 2183 | 9-2 | 21-7208 | 19-7346 | 14,303 | 2307 | 6-9 | 13-0751 | 0-9631 | 14,962 | 2445 | 7-9 | 25-6991 | 6-6406 | | | | | | | | | |
| 13,519 | 2184 | 8-8 | 21-8249 | 18-3718 | 14,395 | 2311 | 9-1 | 13-1866 | 24-7228 | R.A. 6 ^h 44 ^m | | | | | | | | | | | | | |
| 13,575 | 2187 | 9-0 | 22-6643 | 21-2799 | 14,735 | 2312 | 8-8 | 13-6186 | 21-2875 | | | | | 15,589 | 2431 | 8-7 | 0-9923 | 4-5973 | | | | | |
| 13,477 | 2188 | 9-0 | 22-7487 | 15-8627 | 14,678 | 2314 | 9-0 | 13-9608 | 21-4419 | | | | | 15,621 | 2432 | 9-1 | 1-4178 | 5-7449 | | | | | |
| 13,240 | 2189 | 8-8 | 22-8514 | 5-5271 | 14,738 | 2317 | 8-6 | 14-2645 | 24-3572 | | | | | 16,026 | 2436 | 7-5 | 2-1899 | 19-7130 | | | | | |
| 13,523 | 2193 | 9-0 | 23-8489 | 18-3896 | 14,308 | 2319 | 8-7 | 15-8146 | 1-0150 | 15,502 | 2439 | 9-0 | 2-4915 | 1-1559 | | | | | | | | | |
| 13,393 | 2195 | 9-4 | 25-1376 | 11-8231 | 14,321 | 2321 | 9-1 | 16-3787 | 1-8458 | 15,780 | 2441 | 7-3 | 2-7118 | 12-4324 | | | | | | | | | |
| 13,318 | 2198 | 8-7 | 25-5415 | 9-0636 | 14,756 | 2322 | 8-4 | 16-5226 | 25-7609 | 15,812 | 2443 | 9-2 | 2-8332 | 13-0489 | | | | | | | | | |
| 13,188 | 2199 | 9-0 | 25-0551 | 2-7074 | 14,757 | 2326 | 8-9 | 18-5679 | 25-7900 | 15,543 | 2444 | 9-3 | 2-8180 | 2-5892 | | | | | | | | | |
| R.A. 6 ^h 20 ^m | | | | | | | | 14,474 | 2327 | 8-3 | 19-0952 | 9-8135 | 15,643 | 2445-5 | 7-9 | 2-9319 | 6-6262 | | | | | | |
| | | | | | | | | 14,555 | 2328 | 9-0 | 19-7205 | 14-6921 | 15,447 | 2446 | 6-9 | 3-7771 | 2-9849 | | | | | | |
| | | | | | | | | 14,718 | 2329 | 8-4 | 19-9010 | 23-5105 | | | | | | | | | | | |
| | | | | | | | | 14,313 | 2331 | 9-0 | 20-0613 | 0-3882 | | | | | | | | | | | |
| 14,649 | 2333 | 7-6 | 20-1141 | 19-8249 | | | | | | | | | | | | | | | | | | | |
| 14,394 | 2342 | 9-0 | 22-2793 | 5-9869 | | | | | | | | | | | | | | | | | | | |

| Reference No. | | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | | Mag. | Standard co-ordinates, 1900-0. | |
|---|------|----------|---------|--------------------------------|------------------------------------|---|-----|----------|----------|------------------------------------|------|--|---------|----------|------|--------------------------------|-----|
| Hyd. | | Algiers. | | ℓ'. | η'. | Hyd. | | Algiers. | | ℓ'. | η'. | Hyd. | | Algiers. | | ℓ'. | η'. |
| R.A. 6 ^h 44 ^m (continued) | | | | | | R.A. 6 ^h 52 ^m (continued) | | | | | | R.A. 7 ^h 0 ^m (continued) | | | | | |
| 15,838 | 2448 | 9.2 | 4-4662 | 14-2190 | 16,977 | 2566 | 8.4 | 11-6728 | 20-5820 | 17,995 | 2712 | 9.0 | 20-4981 | 19-9641 | | | |
| 15,783 | 2449 | 9.0 | 4-6241 | 12-4215 | 16,645 | 2568 | 9.0 | 12-2709 | 12-6428 | 17,454 | 2720 | 8.7 | 23-5809 | 8-4507 | | | |
| 15,624 | 2458 | 8.4 | 6-1503 | 6-0485 | 17,109 | 2571 | 9.0 | 12-6902 | 24-0706 | 17,590 | 2723 | 8.6 | 24-2083 | 11-4090 | | | |
| 15,625 | 2459 | 7.9 | 6-5540 | 5-8932 | 16,471 | 2572 | 8.7 | 13-2318 | 7-3562 | 17,386 | 2725 | 6.9 | 24-5464 | 6-3711 | | | |
| 15,914 | 2461 | 9.0 | 6-7755 | 16-5033 | 17,083 | 2577 | 9.1 | 14-1858 | 23-0691 | 17,905 | 2726 | 9.0 | 24-5692 | 18-6935 | | | |
| 15,668 | 2464 | 9.0 | 7-5498 | 7-5711 | 17,151 | 2578 | 9.0 | 14-5568 | 25-0167 | 17,778 | 2730 | 9.0 | 25-0604 | 15-1391 | | | |
| 16,130 | 2465 | 7.3 | 7-6222 | 22-2604 | 16,982 | 2579 | 8.5 | 14-7624 | 19-9724 | 17,280 | 2731 | 8.6 | 25-3339 | 2-3724 | | | |
| 15,647 | 2466 | 8.7 | 7-6134 | 7-2449 | 16,821 | 2581 | 6.9 | 14-8914 | 16-6562 | 17,860 | 2733 | 8.9 | 25-4849 | 17-6529 | | | |
| 15,845 | 2467 | 9.3 | 7-6620 | 14-0744 | 16,341 | 2582 | 9.0 | 15-4753 | 2-3449 | 18,090 | 2734 | 8.4 | 25-6230 | 22-2062 | | | |
| 15,692 | 2469 | 9.0 | 7-6681 | 8-7256 | 16,781 | 2587 | 8.6 | 16-8298 | 15-2607 | 17,246 | 2735 | 7.8 | 25-7642 | 1-3285 | | | |
| 15,551 | 2470 | 9.3 | 7-7699 | 2-5088 | 17,116 | 2590 | 9.3 | 18-1042 | 24-7143 | | | | | | | | |
| 15,817 | 2471 | 9.2 | 7-9681 | 12-0010 | .. | 2591 | 8.9 | 18-1810 | 0-2002 | | | | | | | | |
| 15,919 | 2474 | 8.9 | 8-6886 | 16-1614 | 17,119 | 2595 | 8.8 | 19-0236 | 24-5319 | R.A. 7 ^h 8 ^m | | | | | | | |
| 15,693 | 2475 | 8.5 | 8-8612 | 9-2458 | 16,785 | 2598 | 8.8 | 19-7513 | 15-3375 | 18,545 | 2720 | 8.7 | 0-8495 | 8-4595 | | | |
| 15,512 | 2477 | 8.9 | 9-3410 | 0-5998 | 17,121 | 2601 | 9.1 | 19-8714 | 24-4491 | 18,656 | 2723 | 8.6 | 1-4954 | 11-4116 | | | |
| 16,031 | 2478 | 9.1 | 9-4335 | 19-3732 | 16,834 | 2602 | 9.2 | 20-0402 | 16-3180 | 18,465 | 2725 | 6.9 | 1-7763 | 6-3693 | | | |
| 15,852 | 2485 | 9.0 | 10-5420 | 13-0918 | 17,123 | 2604 | 9.0 | 20-1792 | 24-7496 | 19,000 | 2726 | 9.0 | 1-9391 | 18-6906 | | | |
| 15,819 | 2487 | 8.7 | 12-1922 | 13-2905 | 16,576 | 2610 | 8.9 | 21-7281 | 9-7546 | 18,852 | 2730 | 9.0 | 2-3809 | 15-1308 | | | |
| 15,822 | 2488 | 9.1 | 12-4176 | 13-2538 | 17,091 | 2612 | 9.1 | 22-3421 | 23-9106 | 18,274 | 2731 | 8.6 | 2-5183 | 2-3623 | | | |
| 16,165 | 2489 | 8.7 | 12-9600 | 23-8236 | 17,103 | 2617 | 6.9 | 23-7330 | 25-2621 | 18,951 | 2733 | 8.9 | 2-8429 | 17-6394 | | | |
| 16,006 | 2491 | 9.0 | 13-7506 | 18-3472 | 17,038 | 2622 | 7.6 | 24-0289 | 20-9683 | 19,213 | 2734 | 8.4 | 3-0328 | 22-1904 | | | |
| 15,577 | 2496 | 8.8 | 15-4601 | 3-4738 | 17,092 | 2623 | 8.7 | 24-2797 | 23-7380 | 18,254 | 2735 | 7.8 | 2-9366 | 1-3139 | | | |
| 15,603 | 2497 | 8.3 | 15-5098 | 5-1741 | 17,067 | 2627 | 8.9 | 25-0530 | 22-3578 | 18,952 | 2736 | 9.0 | 3-3614 | 17-2575 | | | |
| 15,604 | 2498 | 8.8 | 15-6704 | 4-6153 | 16,368 | 2628 | 8.5 | 25-2622 | 2-9705 | 19,358 | 2737 | 8.9 | 3-5116 | 25-4665 | | | |
| 15,929 | 2500 | 8.3 | 16-8510 | 16-2542 | R.A. 7 ^h 0 ^m | | | | | | | | | | | | |
| 15,891 | 2501 | 9.0 | 17-1783 | 14-7953 | 18,005 | 2622 | 7.6 | 1-4248 | 20-9714 | 18,715 | 2743 | 7.5 | 5-0580 | 12-4695 | | | |
| 16,228 | 2502 | 8.8 | 17-2413 | 25-5327 | 18,141 | 2623 | 8.7 | 1-7071 | 23-7381 | 19,010 | 2751 | 8.0 | 6-3075 | 18-0876 | | | |
| 15,654 | 2506 | 9.2 | 17-9769 | 7-0612 | 18,141 | 2623 | 8.7 | 1-7071 | 23-7381 | 18,283 | 2752 | 8.8 | 6-5377 | 1-6867 | | | |
| 15,895 | 2507 | 9.2 | 18-1802 | 15-5152 | 17,252 | 2634 | 9.0 | 4-0124 | 2-8993 | 18,510 | 2753 | 6.8 | 6-6017 | 7-2889 | | | |
| 16,016 | 2508 | 9.0 | 18-3420 | 18-5668 | 17,700 | 2639 | 8.6 | 4-8162 | 13-7139 | 18,475 | 2754 | 7.9 | 6-6962 | 5-6604 | | | |
| 15,934 | 2509 | 9.3 | 18-4004 | 15-0474 | 17,205 | 2640 | 9.1 | 4-9705 | 0-8708 | 19,102 | 2755 | 9.0 | 6-8020 | 20-1479 | | | |
| 15,655 | 2510 | 9.0 | 18-5681 | 7-1181 | 17,866 | 2641 | 8.3 | 5-2305 | 18-4953 | 19,011 | 2756 | 9.0 | 6-8127 | 18-2817 | | | |
| 15,610 | 2513 | 9.2 | 19-6145 | 4-5778 | 17,290 | 2644 | 8.9 | 6-1154 | 3-3334 | 18,766 | 2757 | 7.4 | 6-8388 | 13-4553 | | | |
| 16,017 | 2518 | 8.0 | 20-5713 | 18-6505 | 17,700 | 2639 | 8.6 | 4-8162 | 13-7139 | 18,257 | 2758 | 9.0 | 6-8611 | 1-1031 | | | |
| 15,611 | 2519 | 8.8 | 20-6910 | 4-7986 | 17,205 | 2640 | 9.1 | 4-9705 | 0-8708 | 18,380 | 2759 | 8.6 | 7-0281 | 3-8511 | | | |
| 15,804 | 2520 | 7.5 | 20-8526 | 11-7646 | 17,866 | 2641 | 8.3 | 5-2305 | 18-4953 | 18,592 | 2761 | 8.9 | 7-7499 | 9-4081 | | | |
| 16,091 | 2522 | 9.2 | 22-2141 | 19-8502 | 17,290 | 2644 | 8.9 | 6-1154 | 3-3334 | 19,274 | 2763 | 9.1 | 8-4701 | 23-8237 | | | |
| 15,900 | 2524 | 8.3 | 23-1360 | 14-7356 | 17,967 | 2647 | 8.2 | 8-0475 | 20-4944 | 19,324 | 2766 | 9.0 | 9-2014 | 24-1661 | | | |
| 15,659 | 2525 | 9.0 | 23-4828 | 7-2433 | 17,653 | 2649 | 8.8 | 8-2959 | 13-1779 | 19,112 | 2767 | 8.8 | 9-2666 | 20-6416 | | | |
| 15,662 | 2531 | 9.2 | 25-1853 | 7-3501 | 18,149 | 2652 | 9.0 | 8-5640 | 3-6216 | 19,372 | 2771 | 9.0 | 10-3363 | 25-1868 | | | |
| R.A. 6 ^h 52 ^m | | | | | 17,204 | 2654 | 8.6 | 8-9562 | 3-2813 | 19,224 | 2773 | 9.0 | 10-4874 | 22-0635 | | | |
| 16,758 | 2524 | 8.3 | 0-4610 | 14-7494 | 17,750 | 2655 | 8.7 | 9-4701 | 1-4-9864 | 18,263 | 2774 | 9.2 | 10-4656 | 0-6619 | | | |
| 16,456 | 2525 | 9.0 | 0-7226 | 7-2532 | 17,713 | 2662 | 8.8 | 10-3612 | 13-8045 | ... | 2775 | 9.1 | 10-5346 | 0-2850 | | | |
| 16,450 | 2531 | 9.2 | 2-4262 | 7-3411 | 17,618 | 2664 | 8.7 | 11-0083 | 11-7196 | 19,373 | 2776 | 8.9 | 10-8216 | 25-5799 | | | |
| 16,589 | 2534 | 8.8 | 3-8014 | 11-5724 | 17,876 | 2671 | 8.9 | 12-5637 | 17-7579 | 18,727 | 2779 | 8.8 | 11-0200 | 11-9607 | | | |
| 16,759 | 2535 | 8.7 | 3-8468 | 15-1856 | 17,716 | 2672 | 8.6 | 12-7368 | 1-2720 | 19,176 | 2781 | 8.8 | 11-6915 | 21-7679 | | | |
| 16,889 | 2536 | 8.6 | 4-3170 | 18-5685 | 17,239 | 2676 | 8.8 | 13-2130 | 1-9304 | 19,376 | 2782 | 8.9 | 11-9024 | 25-1042 | | | |
| 16,627 | 2537 | 6.0 | 4-3311 | 11-0364 | 17,669 | 2677 | 8.6 | 14-0552 | 12-9600 | 18,441 | 2783 | 8.0 | 12-2832 | 4-7874 | | | |
| 16,590 | 2538 | 6.3 | 4-4405 | 10-7469 | 18,028 | 2680 | 8.6 | 14-7460 | 20-9139 | 19,022 | 2785 | 8.9 | 12-4654 | 18-4399 | | | |
| 16,523 | 2539 | 8.9 | 4-4437 | 8-7256 | 18,077 | 2682 | 8.8 | 14-8277 | 22-7718 | 18,204 | 2786 | 9.3 | 12-4722 | 1-5130 | | | |
| 16,804 | 2540 | 8.6 | 4-5783 | 16-1453 | 18,199 | 2683 | 7.0 | 15-1356 | 25-6229 | 18,827 | 2787 | 8.7 | 12-4855 | 14-2271 | | | |
| 16,400 | 2541 | 8.6 | 4-7240 | 4-8834 | 17,760 | 2684 | 9.0 | 15-1961 | 15-0359 | 18,684 | 2789 | 8.9 | 15-0407 | 11-8411 | | | |
| 16,966 | 2544 | 9.3 | 5-1626 | 20-5249 | 18,029 | 2688 | 9.0 | 15-5831 | 21-4375 | 19,384 | 2801 | 9.2 | 15-6832 | 25-7471 | | | |
| 16,431 | 2547 | 8.7 | 6-2806 | 6-2950 | 17,801 | 2690 | 9.1 | 16-5388 | 16-0815 | 18,532 | 2803 | 9.2 | 16-2771 | 7-5585 | | | |
| 16,352 | 2549 | 9.0 | 6-5759 | 2-9415 | 17,320 | 2691 | 8.9 | 16-7444 | 5-3524 | 18,534 | 2807 | 8.9 | 16-5522 | 6-6999 | | | |
| 16,857 | 2552 | 8.8 | 7-4072 | 17-0871 | 17,939 | 2692 | 8.5 | 16-7677 | 19-0961 | 19,295 | 2810 | 9.2 | 17-0693 | 23-1386 | | | |
| 16,726 | 2554 | 8.9 | 8-3316 | 14-6832 | 17,576 | 2693 | 8.9 | 16-8288 | 10-5774 | 18,306 | 2811 | 8.9 | 17-4871 | 2-3947 | | | |
| 16,895 | 2557 | 8.7 | 9-1490 | 18-1807 | 17,443 | 2695 | 9.3 | 17-0622 | 7-7586 | 19,296 | 2815 | 9.3 | 17-6395 | 23-4338 | | | |
| 17,145 | 2562 | 5.6 | 10-9917 | 25-1096 | 17,444 | 2696 | 8.9 | 17-1365 | 7-8450 | 18,571 | 2816 | 9.1 | 17-9058 | 7-6431 | | | |
| 16,407 | 2565 | 8.6 | 11-4127 | 4-9743 | 17,678 | 2701 | 8.5 | 18-7745 | 12-6486 | 18,691 | 2817 | 8.8 | 17-9617 | 10-7141 | | | |
| | | | | | 17,943 | 2702 | 9.0 | 19-2239 | 18-9379 | 18,692 | 2818 | 8.2 | 18-0369 | 10-7472 | | | |
| | | | | | 17,945 | 2707 | 8.8 | 19-7620 | 19-0129 | 18,694 | 2820 | 9.2 | 18-4396 | 10-7663 | | | |
| | | | | | 17,539 | 2710 | 8.6 | 20-4164 | 10-4673 | 18,497 | 2821 | 8.5 | 18-4970 | 4-1644 | | | |
| | | | | | | | | | | 19,240 | 2826 | 7.6 | 19-1624 | 22-8299 | | | |

| Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | |
|--|----------|------|--------------------------------|---------|-------------------------------------|----------|------|--------------------------------|---------|-------------------------------------|----------|------|--------------------------------|---------|
| Hyd. | Algiers. | | ξ'. | η'. | Hyd. | Algiers. | | ξ'. | η'. | Hyd. | Algiers. | | ξ'. | η'. |
| R.A. 7 ^h 8 ^m (continued) | | | | | | | | | | | | | | |
| 19,244 | 2831 | 9-0 | 19-8208 | 22-6407 | 21,366 | 2960 | 7-0 | 2-8966 | 10-8170 | 22,788 | 3090 | 8-2 | 11-6425 | 8-5040 |
| 18,647 | 2833 | 9-2 | 20-3287 | 10-2560 | 21,682 | 2962 | 9-2 | 3-5437 | 16-2871 | 23,554 | 3091 | 8-8 | 12-1897 | 25-6443 |
| 19,247 | 2834 | 8-9 | 20-5036 | 22-8611 | 21,230 | 2963 | 9-0 | 3-5865 | 8-8244 | 23,342 | 3096 | 8-8 | 13-1097 | 20-7020 |
| 19,346 | 2841 | 8-3 | 22-1138 | 24-4613 | 22,104 | 2966 | 9-0 | 3-8257 | 21-7460 | 22,748 | 3097 | 9-0 | 13-2214 | 7-8634 |
| 18,616 | 2842 | 9-0 | 22-2216 | 9-5622 | 21,688 | 2970 | 7-6 | 4-9895 | 15-8966 | 23,289 | 3098 | 6-4 | 13-8160 | 18-7557 |
| 18,578 | 2843 | 9-2 | 22-3316 | 8-4036 | 20,809 | 2974 | 8-2 | 6-0283 | 0-2790 | 22,837 | 3099 | 8-7 | 14-1161 | 9-7563 |
| 18,619 | 2844 | 9-0 | 22-9125 | 8-9241 | 20,897 | 2975 | 8-3 | 6-2068 | 2-9730 | 22,749 | 3100 | 9-1 | 14-3353 | 7-7340 |
| 18,797 | 2855 | 8-8 | 24-5746 | 13-5214 | 22,111 | 2976 | 8-0 | 6-3683 | 0-0751 | 23,434 | 3104 | 8-9 | 15-0089 | 22-2068 |
| 19,089 | 2856 | 9-2 | 25-0307 | 19-3385 | 22,177 | 2981 | 9-0 | 7-4899 | 7-6956 | 23,562 | 3106 | 8-5 | 15-3317 | 25-8657 |
| 18,623 | 2858 | 9-5 | 25-5048 | 8-7272 | 22,111 | 2982 | 8-6 | 7-7794 | 22-6017 | 22,752 | 3107 | 9-1 | 15-6007 | 8-0387 |
| R.A. 7 ^h 16 ^m | | | | | | | | | | | | | | |
| 20,111 | 2855 | 8-8 | 1-8858 | 13-5188 | 21,313 | 2989 | 8-9 | 9-6183 | 10-1948 | 22,582 | 3109 | 8-7 | 15-6842 | 3-8929 |
| 20,421 | 2856 | 9-2 | 2-4080 | 19-3301 | 22,119 | 2990 | 8-5 | 9-8387 | 22-5609 | 23,356 | 3115 | 8-9 | 19-6495 | 20-3751 |
| 19,842 | 2858 | 9-5 | 2-8514 | 8-7134 | 21,013 | 2993 | 7-5 | 10-5610 | 4-4703 | 23,484 | 3117 | 9-0 | 20-2242 | 22-8430 |
| 20,530 | 2860 | 8-6 | 3-5535 | 21-4353 | 22,119 | 2994 | 8-2 | 10-6741 | 4-5342 | 23,579 | 3119 | 8-2 | 20-2619 | 25-5201 |
| 19,495 | 2862 | 8-8 | 4-2035 | 2-0298 | 22,242 | 2996 | 8-8 | 11-0694 | 24-3561 | 22,728 | 3121 | 7-4 | 20-6279 | 6-4130 |
| 19,708 | 2863 | 9-1 | 4-5755 | 7-5078 | 22,328 | 2997 | 8-6 | 11-4615 | 25-0612 | 22,478 | 3123 | 9-1 | 21-3154 | 1-2296 |
| 19,496 | 2864 | 9-1 | 4-6521 | 1-3006 | 22,329 | 2999 | 8-4 | 11-5515 | 24-7466 | 23,583 | 3124 | 9-0 | 22-5384 | 25-2462 |
| 19,815 | 2868 | 8-2 | 4-8692 | 8-3878 | 21,451 | 3002 | 7-7 | 12-0975 | 11-9742 | 23,238 | 3125 | 8-9 | 22-8768 | 18-1341 |
| 19,846 | 2873 | 9-0 | 5-5422 | 8-6466 | 22,009 | 3010 | 9-2 | 14-7162 | 20-5223 | 22,898 | 3127 | 9-0 | 23-0803 | 10-9765 |
| 19,805 | 2876 | 9-2 | 6-7459 | 8-0642 | 22,265 | 3011 | 8-9 | 14-7143 | 24-4688 | 23,200 | 3128 | 9-6 | 23-4834 | 18-6631 |
| 20,536 | 2878 | 9-0 | 6-8909 | 20-8754 | 21,262 | 3012 | 7-4 | 14-9265 | 9-0295 | 23,262 | 3130 | 6-1 | 23-8183 | 18-1983 |
| 20,256 | 2884 | 8-8 | 8-1196 | 15-8944 | 21,654 | 3016 | 8-8 | 16-0120 | 14-8816 | 22,643 | 3131 | 9-0 | 24-0584 | 4-9515 |
| 19,979 | 2885 | 9-1 | 8-1497 | 10-5795 | 20,978 | 3019 | 8-9 | 16-2728 | 4-0997 | 22,766 | 3132 | 8-6 | 24-1726 | 8-2228 |
| 20,656 | 2886 | 8-7 | 8-3068 | 24-3876 | 21,789 | 3022 | 8-7 | 16-4993 | 16-8172 | 23,490 | 3133 | 9-2 | 24-3142 | 23-8065 |
| 20,657 | 2887 | 8-7 | 8-4275 | 14-1292 | 21,792 | 3025 | 7-1 | 17-0502 | 16-8273 | R.A. 7 ^h 40 ^m | | | | |
| 20,257 | 2889 | 8-6 | 8-9998 | 16-4621 | 20,980 | 3027 | 8-6 | 18-3245 | 3-6849 | 24,032 | 3127 | 9-0 | 0-3625 | 10-9909 |
| 20,125 | 2890 | 6-7 | 9-1521 | 14-1730 | 20,872 | 3031 | 9-0 | 19-8672 | 1-6532 | 24,367 | 3128 | 9-6 | 0-8530 | 18-6728 |
| 19,550 | 2892 | 9-2 | 9-5976 | 2-7043 | 21,340 | 3033 | 8-4 | 20-2807 | 9-6493 | 24,331 | 3130 | 6-1 | 1-1827 | 18-2042 |
| 19,762 | 2898 | 8-7 | 10-0903 | 6-9215 | 21,543 | 3036 | 9-0 | 21-3927 | 12-5899 | 23,809 | 3131 | 9-0 | 1-2722 | 4-9551 |
| 20,575 | 2899 | 8-8 | 11-3678 | 22-4533 | 21,806 | 3044 | 8-9 | 23-0883 | 16-6046 | 23,928 | 3132 | 8-6 | 1-4236 | 8-2250 |
| 19,767 | 2901 | 9-1 | 11-9513 | 6-3634 | 21,045 | 3047 | 8-0 | 23-9292 | 4-6796 | 24,517 | 3133 | 9-2 | 1-7423 | 23-8061 |
| 19,557 | 2907 | 8-9 | 13-0306 | 2-5616 | 21,288 | 3048 | 9-1 | 24-2196 | 8-9602 | 24,129 | 3143 | 8-7 | 3-8258 | 12-5538 |
| 20,070 | 2909 | 8-2 | 13-9150 | 13-4922 | 20,877 | 3049 | 7-9 | 24-2853 | 1-4818 | 24,002 | 3144 | 8-7 | 3-9147 | 10-1491 |
| 19,714 | 2910 | 9-3 | 14-0205 | 5-9384 | 21,554 | 3052 | 8-8 | 24-7273 | 12-5606 | 24,088 | 3149 | 8-8 | 4-1107 | 12-1853 |
| 20,708 | 2915 | 9-1 | 15-3801 | 25-4118 | 21,555 | 3053 | 9-5 | 24-8359 | 13-0024 | 23,739 | 3154 | 9-0 | 5-7606 | 2-9621 |
| 19,715 | 2916 | 8-7 | 15-5697 | 6-1773 | 20,878 | 3055 | 8-7 | 25-3835 | 1-5055 | 24,522 | 3156 | 9-2 | 6-4043 | 24-8073 |
| 20,453 | 2918 | 8-8 | 15-9813 | 19-6108 | 21,048 | 3056 | 8-3 | 25-4924 | 4-7869 | 23,662 | 3157 | 8-7 | 6-3480 | 0-6899 |
| 19,478 | 2919 | 9-1 | 16-3146 | 0-6469 | 21,811 | 3061 | 9-1 | 25-7056 | 17-0742 | 24,133 | 3158 | 8-7 | 6-5008 | 12-8646 |
| 19,686 | 2920 | 8-8 | 16-4926 | 10-9604 | R.A. 7 ^h 32 ^m | | | | | 24,050 | 3161 | 8-1 | 7-0933 | 11-4504 |
| 19,666 | 2923 | 8-9 | 17-3629 | 4-4194 | 23,095 | 3044 | 8-9 | 0-4345 | 16-6189 | 24,217 | 3162 | 8-7 | 7-5640 | 15-2095 |
| 20,634 | 2924 | 8-6 | 17-9717 | 23-5646 | 22,600 | 3047 | 8-0 | 1-1400 | 4-6847 | 23,748 | 3165 | 9-0 | 8-4371 | 3-1230 |
| 19,988 | 2925 | 5-6 | 18-1690 | 10-9199 | 22,771 | 3048 | 9-1 | 1-4790 | 8-9619 | 23,850 | 3166 | 9-2 | 8-4870 | 6-2911 |
| 20,686 | 2926 | 8-6 | 18-6060 | 13-2129 | 22,697 | 3049 | 7-9 | 1-4597 | 1-4833 | 24,448 | 3178 | 8-7 | 10-9844 | 21-1651 |
| 20,592 | 2927 | 9-0 | 18-6623 | 22-3230 | 22,486 | 3050 | 9-2 | 1-6321 | 7-3830 | 23,972 | 3181 | 8-6 | 11-4066 | 9-2250 |
| 19,991 | 2929 | 8-9 | 19-1174 | 11-0783 | 22,097 | 3052 | 8-8 | 2-0276 | 12-5563 | 23,862 | 3182 | 8-8 | 11-6522 | 5-3908 |
| 20,715 | 2936 | 7-7 | 21-6064 | 25-4687 | 22,948 | 3053 | 9-5 | 2-1411 | 12-9968 | 24,413 | 3184 | 9-0 | 12-5690 | 20-3987 |
| 19,575 | 2939 | 8-8 | 21-4761 | 2-9311 | 22,949 | 3055 | 8-7 | 2-5580 | 1-4951 | 24,350 | 3190 | 8-7 | 13-3455 | 13-2430 |
| 19,939 | 2943 | 8-8 | 21-9884 | 9-8026 | 22,487 | 3056 | 8-3 | 2-7042 | 4-7748 | 24,350 | 3190 | 8-7 | 14-6993 | 18-2551 |
| 20,352 | 2944 | 8-8 | 22-3397 | 17-3956 | 22,605 | 3058 | 9-1 | 3-0570 | 17-0583 | 23,682 | 3192 | 9-1 | 15-3878 | 0-7828 |
| 20,717 | 2950 | 8-3 | 22-9010 | 25-0042 | 23,150 | 3061 | 9-1 | 3-0570 | 17-0583 | 23,908 | 3195 | 8-8 | 15-4555 | 6-4586 |
| 19,582 | 2953 | 8-0 | 24-0023 | 2-8805 | 23,055 | 3065 | 6-5 | 4-2728 | 15-3561 | 24,064 | 3198 | 9-0 | 15-7855 | 10-6339 |
| 20,002 | 2957 | 9-0 | 25-2935 | 10-9527 | 22,866 | 3068 | 9-0 | 4-9613 | 11-3704 | 23,791 | 3200 | 8-6 | 16-6284 | 3-3515 |
| 20,003 | 2960 | 7-0 | 25-6162 | 10-8311 | 22,504 | 3071 | 7-7 | 6-9105 | 24-0487 | 24,583 | 3201 | 9-1 | 16-7065 | 25-8752 |
| R.A. 7 ^h 24 ^m | | | | | | | | | | | | | | |
| 22,291 | 2950 | 8-3 | 0-3427 | 25-0206 | 22,828 | 3077 | 8-8 | 8-7301 | 10-1611 | 23,984 | 3202 | 8-1 | 17-2006 | 8-9362 |
| 20,887 | 2953 | 8-0 | 1-1926 | 2-8848 | 23,230 | 3078 | 8-9 | 9-0284 | 18-4952 | 24,110 | 3203 | 9-2 | 17-3230 | 12-1166 |
| 21,365 | 2957 | 9-0 | 2-5754 | 10-9423 | 23,276 | 3080 | 9-0 | 9-4455 | 19-1201 | 23,794 | 3213 | 8-9 | 18-4777 | 4-0972 |
| R.A. 7 ^h 16 ^m | | | | | | | | | | | | | | |
| 22,782 | 3081 | 8-6 | 9-6654 | 9-2126 | 23,336 | 3082 | 9-0 | 10-2340 | 20-2439 | 24,149 | 3217 | 9-0 | 19-4916 | 13-4610 |
| 23,336 | 3082 | 9-0 | 10-2340 | 20-2439 | 23,339 | 3088 | 8-7 | 11-3641 | 19-7412 | 24,237 | 3222 | 9-0 | 21-1975 | 14-8739 |
| 23,063 | 3089 | 8-8 | 11-4953 | 15-0503 | 23,063 | 3089 | 8-8 | 11-4953 | 15-0503 | 24,456 | 3223 | 8-6 | 21-5503 | 14-5614 |
| R.A. 7 ^h 8 ^m (continued) | | | | | | | | | | | | | | |
| 22,788 | 3090 | 8-2 | 11-6425 | 8-5040 | 24,487 | 3229 | 8-6 | 22-5080 | 21-8714 | R.A. 7 ^h 40 ^m | | | | |

| Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | Mag. | Standard co-ordinates, 1900-0. | | | |
|---|----------|------|-----------------------------------|---------|---|------|-----------------------------------|---------|---------------|--|-----------------------------------|-----|---------|---------|
| Hyd. | Algiers. | | ξ. | η. | | | ξ. | η. | | | ξ. | η. | | |
| R.A. 7 ^h 40 ^m (continued) | | | | | R.A. 7 ^h 56 ^m (continued) | | | | | R.A. 8 ^h 4 ^m (continued) | | | | |
| 24,324 | 3230 | 9.0 | 22.6097 | 16.7933 | 26,274 | 3336 | 8.6 | 6.7910 | 17.8206 | 27,537 | 3478 | 9.2 | 16.7536 | 24.5635 |
| 24,239 | 3231 | 8.6 | 23.0870 | 14.8924 | 26,176 | 3339 | 8.0 | 6.9074 | 15.8919 | 27,268 | 3481 | 9.3 | 17.0528 | 17.5095 |
| 23,954 | 3235 | 9.1 | 23.1402 | 7.6220 | 26,127 | 3342 | 8.6 | 7.7453 | 15.0183 | 26,718 | 3482 | 9.0 | 17.1111 | 1.2471 |
| 24,202 | 3236 | 8.5 | 23.5116 | 14.0268 | 25,720 | 3343 | 9.0 | 7.7806 | 5.7263 | 27,424 | 3486 | 8.7 | 18.5779 | 21.6890 |
| 23,980 | 3237 | 9.3 | 23.0944 | 8.7387 | 26,094 | 3347 | 8.2 | 9.1721 | 13.7540 | 27,274 | 3491 | 9.0 | 19.3073 | 17.1063 |
| 24,154 | 3239 | 9.0 | 24.3526 | 13.5686 | 26,590 | 3349 | 8.4 | 9.4406 | 25.9532 | 26,748 | 3494 | 8.6 | 20.2541 | 1.6825 |
| 24,594 | 3240 | 8.6 | 24.7677 | 24.9716 | 26,131 | 3350 | 9.0 | 9.0799 | 15.3107 | 26,958 | 3495 | 8.3 | 20.3266 | 9.1418 |
| 24,121 | 3243 | 7.5 | 25.2039 | 12.1399 | 26,132 | 3352 | 7.4 | 9.9231 | 15.3284 | 27,569 | 3498 | 8.1 | 21.7542 | 1.8760 |
| | | | | | 26,284 | 3357 | 8.9 | 10.7435 | 18.8342 | 27,148 | 3507 | 8.8 | 24.2672 | 13.8760 |
| | | | | | 25,631 | 3359 | 5.1 | 11.2501 | 2.4905 | 27,430 | 3510 | 8.7 | 24.9164 | 21.8966 |
| | | | | | 26,288 | 3365 | 9.0 | 12.4720 | 18.5122 | | | | | |
| | | | | | 26,464 | 3366 | 8.8 | 13.0372 | 22.6166 | | | | | |
| | | | | | 26,555 | 3368 | 8.7 | 14.0441 | 24.2573 | | | | | |
| | | | | | 26,141 | 3369 | 8.6 | 14.3301 | 15.4027 | | | | | |
| | | | | | 25,985 | 3370 | 8.6 | 14.8364 | 11.2928 | 27,070 | 3507 | 8.8 | 1.5824 | 13.8778 |
| | | | | | 25,699 | 3374 | 7.9 | 16.1322 | 5.3670 | 28,228 | 3510 | 8.7 | 2.3227 | 21.8832 |
| | | | | | 25,671 | 3378 | 9.0 | 17.1582 | 3.7567 | 28,003 | 3512 | 8.3 | 3.4195 | 14.9002 |
| | | | | | 26,243 | 3381 | 9.1 | 17.5826 | 17.4852 | 28,004 | 3513 | 8.2 | 3.7487 | 14.8884 |
| | | | | | 25,337 | 3382 | 9.1 | 17.6744 | 5.8108 | 27,843 | 3515 | 8.9 | 4.0038 | 9.6369 |
| | | | | | 26,107 | 3383 | 9.8 | 17.7000 | 14.4945 | 27,768 | 3518 | 8.4 | 4.0360 | 7.6873 |
| | | | | | 26,144 | 3384 | 9.1 | 17.8654 | 15.2493 | 28,060 | 3523 | 9.0 | 5.0673 | 17.2825 |
| | | | | | 26,113 | 3385 | 7.8 | 18.8304 | 25.4783 | 27,813 | 3525 | 8.7 | 6.0400 | 9.0732 |
| | | | | | 25,705 | 3393 | 8.1 | 21.0746 | 4.0756 | 28,066 | 3527 | 8.6 | 7.1188 | 16.856 |
| | | | | | 26,743 | 3397 | 9.0 | 22.6566 | 12.9463 | 27,847 | 3529 | 9.0 | 8.3464 | 9.4953 |
| | | | | | 26,111 | 3399 | 9.1 | 23.2685 | 14.0495 | 28,333 | 3530 | 8.9 | 8.4134 | 25.5383 |
| | | | | | 26,351 | 3404 | 8.6 | 24.3796 | 18.9522 | 27,979 | 3531 | 9.0 | 9.0648 | 14.0256 |
| | | | | | 25,906 | 3405 | 7.6 | 24.5320 | 9.4341 | 27,776 | 3536 | 8.7 | 10.7175 | 7.9705 |
| | | | | | 26,353 | 3407 | 9.0 | 24.7662 | 18.9538 | 28,009 | 3537 | 9.0 | 10.7309 | 17.7041 |
| | | | | | 26,302 | 3408 | 6.2 | 25.0271 | 18.3609 | 28,238 | 3538 | 8.2 | 11.4587 | 22.0404 |
| | | | | | 26,493 | 3412 | 9.1 | 25.6916 | 22.6020 | 27,985 | 3539 | 7.5 | 11.6303 | 14.2127 |
| | | | | | | | | | | 28,212 | 3541 | 8.2 | 12.9506 | 21.6841 |
| | | | | | | | | | | 27,854 | 3542 | 9.8 | 13.0223 | 9.8717 |
| | | | | | | | | | | 27,826 | 3543 | 8.8 | 13.0687 | 9.1320 |
| | | | | | | | | | | 27,075 | 3544 | 9.1 | 13.2032 | 4.2703 |
| | | | | | | | | | | 28,339 | 3545 | 8.8 | 13.2034 | 25.7702 |
| | | | | | | | | | | 28,173 | 3547 | 8.4 | 13.0321 | 20.3822 |
| | | | | | | | | | | 27,883 | 3549 | 8.8 | 14.0783 | 11.2950 |
| | | | | | | | | | | 27,751 | 3557 | 9.1 | 15.0688 | 6.7387 |
| | | | | | | | | | | 27,831 | 3558 | 8.1 | 16.1074 | 8.7543 |
| | | | | | | | | | | 27,887 | 3560 | 9.0 | 16.3803 | 10.7579 |
| | | | | | | | | | | 27,607 | 3561 | 8.7 | 16.7625 | 5.9413 |
| | | | | | | | | | | 27,657 | 3565 | 9.0 | 17.2855 | 2.6280 |
| | | | | | | | | | | 28,200 | 3566 | 9.0 | 17.6655 | 23.5712 |
| | | | | | | | | | | 28,319 | 3568 | 8.7 | 18.3758 | 24.5340 |
| | | | | | | | | | | 28,321 | 3569 | 8.7 | 18.4652 | 24.6966 |
| | | | | | | | | | | 28,218 | 3570 | 8.9 | 18.8423 | 20.7955 |
| | | | | | | | | | | 27,850 | 3572 | 9.2 | 19.1682 | 9.4810 |
| | | | | | | | | | | 27,860 | 3580 | 9.1 | 20.4926 | 9.8375 |
| | | | | | | | | | | 28,352 | 3582 | 9.2 | 20.7601 | 25.1129 |
| | | | | | | | | | | 27,662 | 3583 | 8.1 | 20.9023 | 2.8593 |
| | | | | | | | | | | 28,297 | 3585 | 7.5 | 21.2430 | 23.2258 |
| | | | | | | | | | | 28,251 | 3590 | 8.8 | 22.2978 | 22.7309 |
| | | | | | | | | | | 28,328 | 3592 | 8.9 | 23.3187 | 24.4929 |
| | | | | | | | | | | 28,114 | 3593 | 9.1 | 23.1556 | 18.1907 |
| | | | | | | | | | | 28,254 | 3594 | 8.7 | 24.1453 | 21.3017 |
| | | | | | | | | | | 27,938 | 3599 | 8.3 | 25.1970 | 12.5712 |
| | | | | | | | | | | 27,866 | 3601 | 8.0 | 25.7187 | 10.2767 |
| | | | | | | | | | | 27,804 | 3602 | 9.0 | 25.7324 | 8.2720 |
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| Reference No. | | | | | Mag. | Standard co-ordinates, 1900-0. | | | | Reference No. | | | | | Mag. | Standard co-ordinates, 1900-0. | | | | Reference No. | | | | | Mag. | Standard co-ordinates, 1900-0. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Hyd. | | Algiers. | | | | ξ. | η. | Hyd. | | Algiers. | | | | ξ. | η. | Hyd. | | Algiers. | | | | ξ. | η. | Hyd. | | Algiers. | | | | ξ. | η. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R.A. 8 ^h 20 ^m (continued) | | | | | | | | | | R.A. 8 ^h 28 ^m (continued) | | | | | | | | | | R.A. 8 ^h 44 ^m (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28,687 | 3599 | 8.3 | 2 497.3 | 12 5615 | 29,435 | 3749 | 9.0 | 15 7977 | 18 1544 | 30,458 | 3864 | 8.4 | 1 3505 | 9 6732 | 28,597 | 3601 | 9.0 | 2 9928 | 10 2614 | 29,405 | 3750 | 8.9 | 15 8025 | 17 7611 | 30,581 | 3865 | 9.2 | 1 5477 | 17 1218 | 28,545 | 3602 | 9.0 | 2 9837 | 8 2568 | 29,161 | 3751 | 9.1 | 16 6845 | 6 1981 | 30,563 | 3867 | 9.4 | 2 0004 | 15 8380 | 28,710 | 3604 | 9.1 | 3 6452 | 13 9687 | 29,081 | 3752 | 9.2 | 16 8058 | 2 1671 | 30,582 | 3871 | 9.1 | 3 8175 | 16 5978 | 28,712 | 3606 | 9.0 | 4 0807 | 13 9300 | 29,514 | 3753 | 8.7 | 17 1770 | 21 6982 | 30,663 | 3872 | 8.8 | 4 0088 | 23 0915 | 28,706 | 3607 | 8.5 | 4 1374 | 15 8392 | 29,353 | 3757 | 8.9 | 18 2138 | 15 6699 | 30,369 | 3874 | 9.1 | 4 1144 | 2 9549 | 28,697 | 3608 | 6.0 | 4 2338 | 22 1516 | 29,205 | 3761 | 8.7 | 19 2292 | 8 4752 | 30,564 | 3875 | 9.4 | 4 7489 | 15 6029 | 28,931 | 3610 | 9.0 | 4 8068 | 23 5734 | 29,162 | 3762 | 8.9 | 19 2990 | 6 4611 | 30,470 | 3882 | 8.7 | 6 4879 | 10 4945 | 28,416 | 3611 | 9.2 | 4 7639 | 1 4203 | 29,186 | 3763 | 8.9 | 19 3281 | 6 6920 | 30,686 | 3883 | 8.1 | 6 8326 | 25 7689 | 28,911 | 3615 | 8.9 | 5 7787 | 22 2159 | 29,103 | 3764 | 8.8 | 19 4746 | 5 8367 | 30,612 | 3884 | 9.1 | 7 0490 | 18 7855 | 28,879 | 3617 | 9.2 | 6 5097 | 21 1027 | 29,164 | 3767 | 8.8 | 19 9214 | 6 1777 | 30,404 | 3888 | 6.5 | 7 8773 | 5 7037 | 28,553 | 3619 | 9.1 | 6 7662 | 7 7298 | 29,206 | 3769 | 9.0 | 19 9605 | 8 3022 | 30,628 | 3889 | 9.2 | 7 9621 | 19 6805 | 28,814 | 3622 | 9.0 | 7 5796 | 18 5260 | 29,225 | 3775 | 8.9 | 20 9415 | 9 3705 | 30,677 | 3893 | 8.4 | 9 1767 | 24 4909 | 28,500 | 3628 | 8.9 | 8 9398 | 5 7220 | 29,443 | 3776 | 9.1 | 21 4532 | 18 2821 | 30,419 | 3894 | 8.6 | 9 3977 | 6 5262 | 28,501 | 3629 | 8.8 | 9 4719 | 5 5800 | 29,615 | 3777 | 8.6 | 21 4693 | 25 1201 | 30,397 | 3896 | 8.6 | 10 1812 | 5 1179 | 28,576 | 3630 | 8.3 | 9 5956 | 8 5448 | 29,241 | 3778 | 9.1 | 22 1451 | 9 7026 | 30,594 | 3899 | 8.4 | 12 4997 | 8 8068 | 28,915 | 3633 | 9.5 | 10 1980 | 21 7785 | 29,166 | 3780 | 8.9 | 22 6994 | 5 9719 | 30,453 | 3903 | 8.2 | 12 4997 | 8 8068 | 28,817 | 3634 | 9.1 | 10 3250 | 18 1802 | 29,522 | 3782 | 8.7 | 22 8098 | 21 8523 | 30,512 | 3907 | 8.9 | 13 1059 | 13 4587 | 28,695 | 3635 | 8.8 | 10 4415 | 13 0693 | 29,167 | 3783 | 9.0 | 23 0880 | 5 5813 | 30,422 | 3914 | 9.0 | 15 7591 | 6 7857 | 28,456 | 3639 | 9.1 | 11 3674 | 4 0599 | 29,525 | 3788 | 8.9 | 24 6025 | 21 2147 | 30,476 | 3917 | 8.7 | 16 5572 | 11 3455 | 28,481 | 3640 | 9.0 | 11 4103 | 4 3492 | 29,144 | 3790 | 7.5 | 25 6025 | 5 0206 | 30,477 | 3919 | 8.8 | 16 8174 | 11 1267 | 28,639 | 3644 | 7.3 | 12 0018 | 10 7293 | R.A. 8 ^h 36 ^m | | | | | | | | | | 30,600 | 3923 | 9.2 | 18 4991 | 18 0111 | 28,885 | 3647 | 9.5 | 13 0188 | 21 2144 | 29,778 | 3783 | 9.0 | 0 3090 | 5 5956 | 30,356 | 3924 | 9.2 | 19 2692 | 1 0029 | 28,505 | 3649 | 8.7 | 14 2842 | 6 1149 | 29,191 | 3788 | 8.9 | 2 0012 | 21 2111 | 30,399 | 3937 | 8.3 | 23 5564 | 3 8990 | 28,647 | 3659 | 8.6 | 16 8540 | 11 0280 | 29,725 | 3790 | 7.5 | 2 8169 | 5 0073 | 30,399 | 3937 | 8.7 | 23 9305 | 14 7651 | 28,860 | 3660 | 9.0 | 16 8807 | 20 8823 | 29,703 | 3793 | 9.2 | 4 3557 | 2 2616 | R.A. 8 ^h 52 ^m | | | | | | | | | | 30,775 | 3937 | 8.3 | 0 7582 | 3 9081 | 28,698 | 3661 | 9.1 | 17 2299 | 12 9421 | 29,676 | 3795 | 9.0 | 5 4721 | 1 6827 | 30,909 | 3939 | 8.7 | 1 2559 | 14 7669 | 28,772 | 3664 | 8.5 | 17 5115 | 16 4033 | 30,271 | 3796 | 7.9 | 5 7642 | 24 5666 | 31,008 | 3950 | 9.4 | 5 4472 | 21 1802 | 28,700 | 3669 | 9.1 | 18 7796 | 12 8466 | 30,318 | 3799 | 9.0 | 6 5956 | 25 9723 | 31,073 | 3951 | 7.6 | 5 4738 | 25 6181 | 28,654 | 3674 | 8.2 | 19 3031 | 11 0309 | 30,098 | 3800 | 8.9 | 6 7704 | 17 1407 | 31,009 | 3952 | 9.3 | 6 0959 | 20 9780 | 28,534 | 3675 | 8.4 | 19 3159 | 7 1149 | 30,065 | 3803 | 9.0 | 6 8316 | 16 0037 | 30,804 | 3953 | 8.3 | 6 6196 | 6 8115 | 28,511 | 3676 | 9.0 | 19 6485 | 5 7628 | 29,681 | 3806 | 8.7 | 7 5805 | 2 0697 | 31,029 | 3957 | 9.2 | 8 3062 | 22 3183 | 28,590 | 3677 | 9.2 | 19 9102 | 8 5907 | 30,117 | 3807 | 7.1 | 7 7975 | 17 6340 | 31,086 | 3958 | 8.7 | 8 4533 | 11 8925 | 28,952 | 3687 | 8.8 | 22 7354 | 23 3976 | 30,227 | 3809 | 9.0 | 8 3754 | 22 1291 | 30,986 | 3959 | 9.3 | 8 5280 | 20 5066 | 28,738 | 3692 | 9.0 | 24 1302 | 14 3763 | 30,162 | 3811 | 9.1 | 9 1898 | 20 5741 | 30,794 | 3960 | 7.9 | 8 5233 | 6 1839 | 28,738 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | |
|--|----------|------|-----------------------------------|---------|---|----------|------|-----------------------------------|---------|---|----------|------|-----------------------------------|---------|
| Hyd. | Algiers. | | ξ'. | η'. | Hyd. | Algiers. | | ξ'. | η'. | Hyd. | Algiers. | | ξ'. | η'. |
| R.A. 9 ^h 0 ^m (continued) | | | | | R.A. 9 ^h 16 ^m (continued) | | | | | R.A. 9 ^h 32 ^m (continued) | | | | |
| 31,112 | 4007 | 9.2 | 5-8584 | 1-6133 | 32,111 | 4124 | 8.7 | 3-4000 | 25-1459 | 32,723 | 4279 | 9.0 | 7-8564 | 12-3193 |
| 31,300 | 4008 | 8.8 | 6-7880 | 20-3571 | 32,097 | 4126 | 9.1 | 3-4481 | 24-0842 | 32,738 | 4282 | 8.5 | 9-3981 | 14-3449 |
| 31,142 | 4015 | 9.1 | 9-0944 | 6-1318 | 31,960 | 4129 | 8.4 | 4-5574 | 14-6646 | 32,746 | 4287 | 6.5 | 9-9201 | 14-6297 |
| 31,131 | 4016 | 9.2 | 9-1918 | 5-2341 | 31,979 | 4133 | 8.9 | 5-4139 | 15-6332 | 32,622 | 4292 | 8.3 | 11-8489 | 3-2929 |
| 31,143 | 4017 | 9.1 | 9-7366 | 5-8226 | 31,996 | 4134 | 9.0 | 5-9146 | 10-9078 | 32,819 | 4293 | 8.0 | 11-9800 | 24-3413 |
| 31,277 | 4022 | 8.6 | 10-8328 | 18-1390 | 31,949 | 4138 | 8.9 | 6-4437 | 13-6108 | 32,677 | 4299 | 8.9 | 13-0583 | 7-5652 |
| 31,120 | 4023 | 8.8 | 11-4058 | 2-7750 | 32,098 | 4139 | 8.7 | 6-6562 | 24-3549 | 32,682 | 4304 | 7.7 | 16-7940 | 7-7261 |
| 31,310 | 4028 | 8.3 | 12-9468 | 21-0327 | 32,099 | 4140 | 8.3 | 6-8651 | 24-4037 | 32,626 | 4305 | 9.2 | 16-9505 | 3-1364 |
| 31,206 | 4031 | 8.7 | 14-1049 | 12-0813 | 32,117 | 4144 | 9.2 | 8-8824 | 25-1847 | 32,664 | 4308 | 8.2 | 17-5902 | 7-3904 |
| 31,227 | 4034 | 9.0 | 14-8034 | 13-7288 | 32,087 | 4146 | 9.2 | 9-1493 | 23-2083 | 32,748 | 4309 | 8.5 | 17-5871 | 15-1376 |
| 31,344 | 4035 | 9.1 | 15-1933 | 24-8107 | 31,822 | 4149 | 8.2 | 11-4021 | 2-3928 | 32,637 | 4310 | 9.2 | 17-6796 | 3-6660 |
| 31,122 | 4038 | 8.8 | 16-8194 | 2-5906 | 31,863 | 4152 | 8.8 | 12-0276 | 7-2810 | 32,740 | 4322 | 8.5 | 21-8914 | 14-2376 |
| 31,207 | 4040 | 8.6 | 17-3072 | 12-1069 | 31,953 | 4154 | 8.9 | 12-2553 | 13-9984 | 32,607 | 4323 | 8.0 | 22-0516 | 6-8181 |
| 31,313 | 4041 | 8.5 | 17-5550 | 21-4809 | 32,090 | 4156 | 9.1 | 12-9422 | 23-2080 | 32,766 | 4324 | 9.0 | 22-6927 | 17-3893 |
| 31,197 | 4042 | 8.5 | 18-3309 | 11-5931 | 32,072 | 4158 | 9.1 | 14-2622 | 22-0216 | 32,617 | 4328 | 8.6 | 24-1706 | 1-7589 |
| 31,346 | 4050 | 8.5 | 20-8967 | 24-3367 | 31,866 | 4159 | 8.7 | 15-3512 | 7-2330 | 32,618 | 4329 | 8.5 | 24-2301 | 1-4041 |
| 31,137 | 4051 | 9.0 | 21-5496 | 4-6288 | 31,942 | 4176 | 8.6 | 20-5792 | 12-9991 | | | | | |
| 31,270 | 4054 | 8.8 | 22-8683 | 17-2669 | 31,930 | 4183 | 9.2 | 22-2131 | 11-8104 | | | | | |
| 31,222 | 4060 | 9.0 | 24-2622 | 13-7562 | 31,814 | 4184 | 8.8 | 23-4758 | 1-3019 | | | | | |
| | | | | | 32,066 | 4185 | 8.6 | 23-5071 | 21-4578 | | | | | |
| | | | | | 31,972 | 4189 | 9.0 | 24-4068 | 14-9345 | | | | | |
| R.A. 9 ^h 8 ^m | | | | | R.A. 9 ^h 24 ^m | | | | | R.A. 9 ^h 40 ^m | | | | |
| 31,560 | 4060 | 9.0 | 1-5761 | 13-7571 | 32,163 | 4184 | 8.8 | 0-6482 | 1-3119 | 32,858 | 4328 | 8.6 | 1-3481 | 1-7615 |
| 31,686 | 4063 | 9.0 | 3-1610 | 21-3813 | 32,472 | 4185 | 8.6 | 0-9685 | 21-4664 | 32,859 | 4329 | 8.5 | 1-4036 | 1-4062 |
| 31,550 | 4064 | 8.0 | 3-1523 | 13-2180 | 32,372 | 4189 | 9.0 | 1-7340 | 14-9337 | 33,068 | 4338 | 8.6 | 4-8108 | 23-7437 |
| 31,440 | 4067 | 9.0 | 3-6656 | 4-7572 | 32,513 | 4195 | 8.8 | 5-4006 | 24-3770 | 33,044 | 4339 | 9.0 | 5-1083 | 21-5826 |
| 31,492 | 4068 | 8.6 | 4-8480 | 8-0373 | 32,476 | 4198 | 8.0 | 6-1014 | 20-9424 | 32,885 | 4342 | 8.9 | 6-4573 | 4-9087 |
| 31,428 | 4070 | 8.1 | 5-2060 | 3-0318 | 32,185 | 4204 | 8.8 | 7-4833 | 3-0482 | 33,088 | 4343 | 8.3 | 6-6061 | 25-2809 |
| 31,616 | 4071 | 8.2 | 5-3116 | 17-0315 | 32,298 | 4206 | 7.1 | 7-8127 | 9-6693 | 32,879 | 4345 | 8.9 | 7-5412 | 3-3852 |
| 31,657 | 4075 | 8.7 | 6-4683 | 19-0919 | 32,247 | 4207 | 9.0 | 7-8980 | 6-7242 | 32,973 | 4351 | 8.6 | 8-4736 | 13-7912 |
| 31,687 | 4076 | 9.3 | 6-4872 | 21-0611 | 32,303 | 4208 | 8.9 | 8-3620 | 15-9608 | 33,082 | 4355 | 7.0 | 9-7608 | 23-8993 |
| 31,576 | 4082 | 8.5 | 8-5192 | 13-8994 | 32,283 | 4212 | 9.0 | 9-4717 | 9-4683 | 32,975 | 4359 | 8.3 | 11-3068 | 13-8574 |
| 31,676 | 4083 | 9.4 | 10-2716 | 20-8383 | 32,384 | 4217 | 8.4 | 12-7912 | 14-7977 | 33,030 | 4361 | 9.0 | 12-7153 | 18-7925 |
| 31,660 | 4085 | 8.6 | 11-0813 | 19-5951 | 32,533 | 4219 | 8.3 | 14-0855 | 24-9755 | 32,964 | 4366 | 8.5 | 13-3735 | 12-9130 |
| 31,619 | 4086 | 6.1 | 11-2068 | 17-0661 | 32,304 | 4224 | 8.6 | 15-9613 | 9-5431 | 33,073 | 4371 | 8.7 | 14-9342 | 23-5612 |
| 31,548 | 4090 | 8.8 | 13-8385 | 12-2955 | 32,188 | 4225 | 9.0 | 15-9978 | 2-8518 | 32,978 | 4372 | 8.4 | 15-7802 | 14-4520 |
| 31,457 | 4092 | 8.9 | 14-2194 | 5-6911 | 32,519 | 4226 | 9.1 | 15-9822 | 24-3437 | 32,997 | 4373 | 8.9 | 15-8995 | 15-9178 |
| 31,414 | 4093 | 8.9 | 15-7761 | 2-3760 | 32,366 | 4229 | 9.0 | 16-7632 | 13-7573 | 32,984 | 4374 | 8.3 | 16-1207 | 3-8765 |
| 31,447 | 4094 | 8.7 | 16-0408 | 17-0491 | 32,367 | 4232 | 8.4 | 17-5185 | 14-5339 | 33,084 | 4376 | 8.6 | 16-6818 | 24-7507 |
| 31,623 | 4094 | 8.7 | 16-0408 | 17-0491 | 32,414 | 4234 | 8.8 | 17-6070 | 17-3695 | 33,098 | 4378 | 7.7 | 17-0748 | 16-2695 |
| 31,707 | 4096 | 8.3 | 16-4333 | 22-7998 | 32,386 | 4236 | 8.6 | 18-0948 | 14-9535 | 33,090 | 4379 | 9.0 | 17-1633 | 24-8868 |
| 31,719 | 4097 | 8.7 | 16-4553 | 23-6830 | 32,523 | 4238 | 9.0 | 18-8540 | 24-1870 | 33,085 | 4384 | 8.9 | 19-5218 | 23-9815 |
| 31,663 | 4098 | 8.9 | 16-5073 | 19-8027 | 32,482 | 4245 | 8.9 | 22-4304 | 21-2642 | 32,907 | 4386 | 8.5 | 22-6040 | 6-4665 |
| 31,433 | 4103 | 7.0 | 17-0808 | 4-1468 | 32,483 | 4247 | 9.2 | 23-0349 | 21-1828 | 32,875 | 4387 | 9.1 | 22-7421 | 2-8377 |
| 31,698 | 4104 | 8.6 | 18-2575 | 20-0565 | 32,355 | 4250 | 8.7 | 23-3657 | 13-2576 | 33,034 | 4390 | 8.5 | 23-7815 | 18-9891 |
| 31,506 | 4106 | 8.3 | 19-9147 | 21-4779 | 32,341 | 4251 | 6.5 | 23-4797 | 12-5327 | 33,012 | 4392 | 9.2 | 24-4171 | 17-4244 |
| 31,628 | 4108 | 7.7 | 20-4721 | 15-1841 | | | | | | 32,950 | 4393 | 7.8 | 24-5076 | 11-2024 |
| 31,628 | 4109 | 9.1 | 20-5949 | 17-5431 | | | | | | 33,013 | 4394 | 9.2 | 24-5400 | 17-3838 |
| 31,417 | 4110 | 9.0 | 21-4636 | 1-6119 | | | | | | 32,991 | 4398 | 8.2 | 25-5215 | 15-2089 |
| 31,699 | 4111 | 8.8 | 21-5439 | 21-5361 | R.A. 9 ^h 32 ^m | | | | | R.A. 9 ^h 48 ^m | | | | |
| 31,583 | 4113 | 9.1 | 22-8201 | 14-4106 | 32,789 | 4247 | 9.2 | 0-4332 | 21-1978 | 33,340 | 4399 | 8.5 | 1-1548 | 18-9953 |
| 31,556 | 4116 | 9.0 | 23-5077 | 12-0598 | 32,729 | 4250 | 8.7 | 0-6739 | 13-2688 | 33,306 | 4392 | 9.2 | 1-7726 | 17-4233 |
| 31,684 | 4117 | 9.1 | 23-5490 | 20-7835 | 32,730 | 4251 | 6.5 | 0-7707 | 12-5426 | 33,247 | 4393 | 7.8 | 1-8824 | 11-1907 |
| 31,566 | 4119 | 8.1 | 23-8390 | 13-5265 | 32,649 | 4257 | 8.6 | 3-2980 | 6-3009 | 33,307 | 4394 | 9.2 | 1-8950 | 17-3812 |
| 31,701 | 4120 | 8.8 | 25-1383 | 21-8683 | 32,737 | 4264 | 8.7 | 4-3154 | 13-6512 | 33,280 | 4398 | 8.2 | 2-8517 | 15-1953 |
| | | | | | 32,767 | 4267 | 8.5 | 5-2057 | 18-4354 | 33,370 | 4405 | 8.9 | 5-5024 | 22-7110 |
| | | | | | 32,671 | 4268 | 9.1 | 5-3994 | 7-6040 | 33,348 | 4409 | 8.5 | 7-7519 | 20-7524 |
| 31,918 | 4116 | 9.0 | 0-8023 | 12-0695 | 32,691 | 4269 | 8.6 | 5-7086 | 8-9310 | 33,327 | 4411 | 9.2 | 7-9681 | 18-7030 |
| 32,049 | 4117 | 9.1 | 0-9427 | 20-7924 | 32,672 | 4272 | 8.9 | 5-9482 | 8-0774 | 33,361 | 4413 | 8.6 | 8-4034 | 21-0262 |
| 31,931 | 4119 | 9.1 | 1-1593 | 13-5323 | 32,643 | 4274 | 8.3 | 6-5578 | 4-6987 | 33,373 | 4414 | 7.9 | 8-5130 | 3-3919 |
| 32,068 | 4120 | 8.8 | 2-5443 | 21-8583 | | | | | | 33,283 | 4417 | 7.9 | 9-6672 | 15-3645 |
| | | | | | | | | | | 33,261 | 4419 | 9.0 | 10-0852 | 12-8709 |
| | | | | | | | | | | 33,349 | 4420 | 8.3 | 10-5572 | 19-8788 |

| Reference No. | | | | | Reference No. | | | | | Reference No. | | | | |
|--|------|----------|---------|---------|---|------|----------|---------|---------|---|------|----------|---------|---------|
| Hyd. | | Algiers. | | Mag. | Hyd. | | Algiers. | | Mag. | Hyd. | | Algiers. | | Mag. |
| Standard co-ordinates, 1900-0. | | | | | Standard co-ordinates, 1900-0. | | | | | Standard co-ordinates, 1900-0. | | | | |
| ξ'. η'. | | | | | ξ'. η'. | | | | | ξ'. η'. | | | | |
| R.A. 9^h 48^m (continued) | | | | | R.A. 10^h 12^m | | | | | R.A. 10^h 28^m (continued) | | | | |
| 33,300 | 4421 | 8.7 | 10.5818 | 16.4842 | 34,170 | 4548 | 8.4 | 0.2689 | 13.7437 | 34,839 | 4670 | 9.0 | 7.2551 | 20.1045 |
| 33,240 | 4422 | 9.1 | 12.7741 | 9.5283 | 34,209 | 4549 | 9.0 | 0.9249 | 16.9966 | 34,691 | 4672 | 8.4 | 7.9109 | 6.1933 |
| 33,203 | 4427 | 8.2 | 15.4033 | 13.1661 | 34,127 | 4550 | 9.1 | 1.1487 | 11.3572 | 34,809 | 4675 | 9.1 | 8.5726 | 17.2674 |
| 33,317 | 4430 | 8.3 | 16.5301 | 17.2833 | 34,096 | 4551 | 6.7 | 1.3157 | 8.9003 | 34,722 | 4680 | 8.9 | 10.4673 | 8.4468 |
| 33,378 | 4431 | 8.5 | 17.0677 | 22.8347 | 34,184 | 4553 | 6.5 | 2.3930 | 15.3672 | 34,871 | 4681 | 8.9 | 10.7181 | 22.9897 |
| 33,205 | 4435 | 5.8 | 19.1253 | 7.4301 | 34,230 | 4554 | 9.1 | 3.1246 | 18.5975 | 34,787 | 4682 | 8.9 | 11.1450 | 14.6702 |
| 33,366 | 4438 | 9.2 | 20.7505 | 21.2337 | 34,024 | 4555 | 8.9 | 4.0740 | 2.3149 | 34,715 | 4683 | 8.6 | 11.7219 | 7.4430 |
| 33,345 | 4439 | 8.0 | 20.8469 | 19.0840 | 34,098 | 4556 | 8.7 | 4.3712 | 9.1689 | 34,723 | 4684 | 8.4 | 12.6992 | 9.2217 |
| 33,290 | 4440 | 7.6 | 21.5601 | 15.4553 | 34,065 | 4565 | 8.2 | 9.5547 | 6.2497 | 34,833 | 4685 | 9.1 | 13.2026 | 19.4002 |
| 33,337 | 4440 | 8.2 | 22.3257 | 18.7648 | 34,213 | 4566 | 8.8 | 9.8735 | 17.1205 | 34,854 | 4691 | 8.5 | 14.9706 | 20.9867 |
| 33,393 | 4447 | 8.2 | 22.0711 | 15.8786 | 34,044 | 4568 | 8.6 | 11.1243 | 3.6010 | 34,803 | 4695 | 9.1 | 17.8014 | 16.5342 |
| 33,178 | 4450 | 9.1 | 25.0053 | 3.2599 | 34,188 | 4569 | 9.1 | 11.5784 | 15.0055 | 34,877 | 4702 | 8.6 | 20.3397 | 23.5337 |
| R.A. 9^h 56^m | | | | | 34,136 | 4571 | 7.1 | 12.3492 | 10.7198 | 34,816 | 4708 | 8.5 | 24.2637 | 17.5105 |
| 33,607 | 4447 | 8.2 | 0.3091 | 15.8942 | 34,315 | 4576 | 8.8 | 13.2237 | 24.9345 | 34,707 | 4710 | 9.1 | 25.3378 | 6.5340 |
| 33,408 | 4450 | 9.1 | 2.1998 | 3.2532 | 34,165 | 4577 | 8.7 | 15.0679 | 12.9264 | R.A. 10^h 36^m | | | | |
| 33,684 | 4456 | 8.8 | 6.5764 | 22.7902 | 34,299 | 4580 | 9.2 | 15.8136 | 24.5299 | 35,104 | 4708 | 8.5 | 1.6202 | 17.5112 |
| 33,672 | 4461 | 8.3 | 9.0473 | 21.3385 | 34,081 | 4581 | 9.2 | 16.2106 | 6.4684 | 34,996 | 4710 | 9.1 | 2.5694 | 6.5236 |
| 33,469 | 4463 | 8.0 | 10.1320 | 3.2279 | 34,316 | 4583 | 9.1 | 17.5984 | 24.9182 | 35,029 | 4713 | 8.8 | 3.6945 | 11.0657 |
| 33,473 | 4465 | 9.1 | 10.4954 | 21.3383 | 34,268 | 4586 | 8.3 | 19.2888 | 22.7208 | 35,163 | 4715 | 8.6 | 4.1043 | 22.3585 |
| 33,598 | 4472 | 8.6 | 14.7505 | 15.3165 | 34,237 | 4590 | 9.1 | 20.5014 | 19.1877 | 35,068 | 4718 | 9.1 | 6.6626 | 14.3755 |
| 33,466 | 4473 | 8.4 | 15.2246 | 1.7025 | 34,317 | 4591 | 9.1 | 20.6410 | 25.0517 | 35,195 | 4719 | 8.7 | 7.1890 | 25.6886 |
| 33,614 | 4476 | 9.0 | 17.1593 | 16.4191 | 34,085 | 4599 | 9.0 | 23.4898 | 6.5376 | 35,069 | 4720 | 8.7 | 7.3640 | 13.9710 |
| 33,523 | 4479 | 8.8 | 17.6722 | 7.8096 | 34,095 | 4600 | 7.3 | 24.3527 | 7.6330 | 35,008 | 4721 | 9.1 | 7.4706 | 8.2501 |
| 33,744 | 4480 | 7.0 | 18.3600 | 24.2973 | R.A. 10^h 20^m | | | | | 35,108 | 4722 | 9.2 | 8.7778 | 25.7104 |
| 33,505 | 4485 | 8.7 | 22.0504 | 5.8266 | 34,409 | 4599 | 9.0 | 0.7216 | 6.5474 | 34,977 | 4728 | 8.6 | 11.2341 | 4.2203 |
| 33,643 | 4487 | 9.2 | 22.2762 | 18.0571 | 34,423 | 4600 | 7.3 | 1.5970 | 7.6333 | 34,962 | 4729 | 9.0 | 12.0375 | 2.1583 |
| 33,564 | 4488 | 9.0 | 23.1270 | 12.5058 | 34,627 | 4607 | 7.1 | 5.2621 | 25.8757 | 35,071 | 4731 | 9.1 | 12.1957 | 13.8509 |
| 33,505 | 4491 | 8.4 | 23.4821 | 12.1591 | 34,534 | 4610 | 6.3 | 5.7375 | 17.3603 | 34,978 | 4732 | 9.1 | 12.6628 | 3.6334 |
| R.A. 10^h 4^m | | | | | 34,461 | 4612 | 8.2 | 7.2510 | 12.1433 | 35,166 | 4734 | 9.2 | 13.4230 | 22.3998 |
| 33,836 | 4488 | 9.0 | 0.4266 | 12.5198 | 34,442 | 4613 | 9.1 | 7.8279 | 10.0823 | 35,167 | 4735 | 9.1 | 13.5853 | 22.4547 |
| 33,830 | 4491 | 8.4 | 0.7779 | 12.1690 | 34,515 | 4615 | 8.8 | 8.4194 | 15.6871 | 35,212 | 4737 | 7.7 | 17.3212 | 25.9671 |
| 33,062 | 4500 | 8.4 | 5.0637 | 25.7208 | 34,591 | 4617 | 8.4 | 9.8107 | 21.7835 | 34,987 | 4744 | 8.7 | 20.4733 | 5.1238 |
| 33,875 | 4501 | 9.1 | 5.2716 | 16.5766 | 34,546 | 4619 | 9.0 | 10.0399 | 17.9720 | 35,011 | 4747 | 8.3 | 22.9131 | 8.4253 |
| 33,820 | 4505 | .. | 7.0045 | 10.8459 | 34,518 | 4621 | 9.0 | 11.1347 | 16.3006 | 35,091 | 4751 | 8.9 | 25.6467 | 15.0574 |
| 33,821 | 4506 | .. | 7.0221 | 10.8711 | 34,466 | 4622 | 9.0 | 11.2868 | 11.9400 | R.A. 10^h 44^m | | | | |
| 33,877 | 4508 | 8.6 | 8.0869 | 16.8075 | 34,558 | 4623 | 8.9 | 12.0147 | 18.6126 | 35,344 | 4751 | 8.9 | 2.9752 | 15.0425 |
| 33,865 | 4511 | 7.5 | 9.1205 | 15.6555 | 34,427 | 4625 | 8.3 | 12.4545 | 8.0203 | 35,335 | 4755 | 8.5 | 4.6394 | 14.5073 |
| 33,850 | 4515 | 8.6 | 11.2327 | 13.9088 | 34,499 | 4628 | 8.5 | 14.3398 | 16.5371 | 35,361 | 4754 | 9.0 | 5.0058 | 17.0337 |
| 33,958 | 4516 | 8.6 | 11.2074 | 25.4304 | 34,537 | 4637 | 8.7 | 18.1822 | 24.3398 | 35,354 | 4757 | 7.3 | 6.2555 | 15.8235 |
| 33,866 | 4518 | 7.8 | 11.0502 | 16.0720 | 34,461 | 4641 | 8.8 | 21.0025 | 24.3239 | 35,272 | 4758 | 7.4 | 6.3552 | 5.1716 |
| 33,781 | 4519 | 8.8 | 12.1462 | 4.1454 | 34,599 | 4632 | 7.6 | 16.0028 | 22.8108 | 35,346 | 4759 | 9.0 | 6.8291 | 15.3434 |
| 33,934 | 4522 | 8.9 | 12.9087 | 22.8920 | 34,521 | 4633 | 9.1 | 16.5298 | 16.4019 | 35,364 | 4760 | 9.1 | 7.5875 | 17.2476 |
| 33,897 | 4527 | 8.9 | 15.8859 | 18.7903 | 34,613 | 4637 | 8.7 | 18.1822 | 24.3398 | 35,287 | 4762 | 9.2 | 8.3269 | 7.4070 |
| 33,788 | 4520 | 8.1 | 16.4286 | 5.4798 | 34,615 | 4639 | 8.8 | 20.7607 | 23.7544 | 35,398 | 4765 | 8.4 | 10.2765 | 22.7546 |
| 33,767 | 4530 | 7.3 | 18.1246 | 2.3415 | 34,616 | 4641 | 8.8 | 21.0025 | 24.3239 | 35,306 | 4767 | 8.6 | 11.5332 | 9.4242 |
| 33,775 | 4531 | 8.7 | 18.5586 | 3.7162 | 34,446 | 4644 | 9.2 | 21.2230 | 9.8109 | 35,339 | 4770 | 9.0 | 12.5979 | 14.1173 |
| 33,898 | 4533 | 9.0 | 19.2883 | 18.5696 | 34,432 | 4645 | 8.9 | 21.3771 | 7.8497 | 35,409 | 4771 | 9.1 | 13.2869 | 23.5868 |
| 33,833 | 4535 | 9.0 | 19.5324 | 11.5429 | 34,433 | 4646 | 8.8 | 21.7267 | 7.5688 | 35,398 | 4768 | 8.4 | 10.2765 | 22.7546 |
| 33,929 | 4537 | 8.4 | 19.8870 | 21.8386 | 34,481 | 4650 | 6.4 | 23.7822 | 13.1868 | 35,306 | 4767 | 8.6 | 11.5332 | 9.4242 |
| 33,796 | 4538 | 6.4 | 20.2355 | 6.5545 | 34,370 | 4658 | 9.0 | 25.5824 | 1.8517 | 35,339 | 4770 | 9.0 | 12.5979 | 14.1173 |
| 33,894 | 4539 | 9.3 | 20.2768 | 18.3640 | R.A. 10^h 28^m | | | | | 35,409 | 4771 | 9.1 | 13.2869 | 23.5868 |
| 33,882 | 4544 | 9.0 | 22.1003 | 17.2219 | 34,755 | 4650 | 6.4 | 1.0896 | 13.1933 | 35,399 | 4773 | 9.2 | 14.1683 | 22.4696 |
| 33,851 | 4548 | 8.4 | 22.9554 | 13.7280 | 34,658 | 4658 | 9.0 | 2.7609 | 1.8389 | 35,394 | 4777 | 8.8 | 17.3933 | 20.9674 |
| 33,883 | 4549 | 9.0 | 23.5743 | 16.9878 | 34,747 | 4659 | 8.9 | 3.3108 | 11.8734 | 35,378 | 4778 | 8.6 | 18.2681 | 19.0690 |
| 33,835 | 4550 | 9.1 | 23.8621 | 11.3516 | 34,686 | 4663 | 8.6 | 4.6787 | 6.1122 | 35,295 | 4779 | 9.3 | 19.5684 | 7.2555 |
| 33,808 | 4551 | 6.7 | 24.0570 | 8.8967 | 34,808 | 4667 | 8.8 | 6.0332 | 17.1877 | 35,281 | 4781 | 8.6 | 22.9164 | 5.3517 |
| 33,861 | 4553 | 6.5 | 25.0608 | 15.3756 | 34,860 | 4668 | 9.0 | 6.7800 | 22.7375 | 35,273 | 4785 | 8.5 | 23.3874 | 2.3011 |
| | | | | | | | | | | 35,321 | 4789 | 9.9 | 23.5716 | 11.0804 |
| | | | | | | | | | | 35,332 | 4790 | 7.5 | 24.3673 | 13.4007 |

| Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | |
|--------------------------------------|----------|------|--------------------------------|---------|---|----------|------|--------------------------------|---------|--|----------|------|--------------------------------|---------|
| Hyd. | Algiers. | | ξ'. | η'. | Hyd. | Algiers. | | ξ'. | η'. | Hyd. | Algiers. | | ξ'. | η'. |
| R.A. 10 ^h 52 ^m | | | | | R.A. 11 ^h 8 ^m (continued) | | | | | R.A. 11 ^h 24 ^m (continued) | | | | |
| 35,461 | 4787 | 8.5 | 0.5711 | 2.3121 | 36,130 | 4905 | 9.0 | 2.4871 | 20.4736 | 36,559 | 5035 | 8.7 | 16.2174 | 20.9973 |
| 35,518 | 4789 | 9.9 | 0.8550 | 11.0893 | 36,132 | 4912 | 8.9 | 5.3675 | 19.9250 | 36,560 | 5037 | 9.3 | 16.7793 | 20.9518 |
| 35,539 | 4790 | 7.5 | 1.6771 | 13.4005 | 36,162 | 4913 | 8.9 | 5.6497 | 23.3460 | 36,542 | 5039 | 8.3 | 17.8698 | 17.1411 |
| 35,629 | 4793 | 9.1 | 3.1704 | 20.6154 | 35,964 | 4914 | 9.6 | 6.2533 | 2.3844 | 36,534 | 5042 | 8.4 | 18.2535 | 16.3073 |
| 35,613 | 4794 | 5.0 | 3.3857 | 20.2274 | 36,133 | 4918 | 8.8 | 9.1347 | 20.5505 | 36,562 | 5044 | 8.0 | 18.4727 | 20.7768 |
| 35,631 | 4795 | 8.7 | 3.6545 | 21.4918 | 35,965 | 4919 | 8.4 | 9.1582 | 2.3230 | 36,465 | 5049 | 8.9 | 21.3278 | 3.6098 |
| 35,502 | 4796 | 9.0 | 3.6665 | 8.2076 | 35,966 | 4921 | 9.5 | 9.4177 | 2.3255 | 36,544 | 5050 | 9.1 | 22.4592 | 17.3739 |
| 35,532 | 4797 | 9.0 | 4.0377 | 11.8167 | 36,134 | 4922 | 8.0 | 10.0503 | 20.2629 | 36,471 | 5052 | 8.2 | 23.3424 | 4.8471 |
| 35,505 | 4801 | 9.1 | 5.5656 | 8.9222 | 35,994 | 4927 | 8.9 | 12.0300 | 6.2860 | 36,536 | 5054 | 8.9 | 24.5436 | 16.1946 |
| 35,633 | 4802 | 8.4 | 6.1907 | 21.4332 | 35,967 | 4928 | 7.9 | 12.0804 | 2.5814 | 36,462 | 5055 | 8.8 | 24.7666 | 3.0040 |
| 35,521 | 4804 | 8.7 | 7.2974 | 10.5103 | 36,079 | 4929 | 8.3 | 12.1177 | 14.8209 | 36,587 | 5058 | 9.0 | 25.5672 | 24.4695 |
| 35,524 | 4810 | 8.7 | 9.6838 | 10.8507 | 36,184 | 4930 | 8.4 | 13.5799 | 25.0213 | | | | | |
| 35,542 | 4814 | 8.7 | 11.0464 | 12.8530 | 36,176 | 4932 | 8.7 | 14.8803 | 23.8792 | R.A. 11 ^h 32 ^m | | | | |
| 35,594 | 4815 | 9.1 | 11.4672 | 17.8227 | 36,102 | 4934 | 8.0 | 15.8395 | 17.5561 | 36,679 | 5052 | 8.2 | 0.5551 | 4.8586 |
| 35,630 | 4816 | 9.1 | 11.5517 | 21.7997 | 36,059 | 4935 | 9.0 | 16.1377 | 13.2811 | 36,757 | 5054 | 8.9 | 1.8851 | 16.1922 |
| 35,463 | 4817 | 8.9 | 12.2149 | 2.6183 | 36,060 | 4936 | 8.6 | 17.3701 | 12.8615 | 36,663 | 5055 | 8.8 | 1.9613 | 3.0001 |
| 35,618 | 4822 | 9.1 | 13.2915 | 20.6003 | 35,975 | 4939 | 8.5 | 18.6474 | 4.0428 | 36,810 | 5058 | 9.0 | 3.0027 | 24.4541 |
| 35,507 | 4825 | 9.0 | 15.1488 | 8.9384 | 36,072 | 4940 | 8.4 | 19.0473 | 13.7442 | 36,820 | 5059 | 8.5 | 3.4189 | 24.9522 |
| 35,568 | 4826 | 8.9 | 15.8096 | 15.4053 | 36,003 | 4942 | 9.5 | 19.1487 | 6.4460 | 36,672 | 5063 | 9.0 | 4.5100 | 3.7754 |
| 35,596 | 4828 | 9.1 | 16.4935 | 18.4983 | 36,073 | 4943 | 7.0 | 19.6260 | 14.1237 | 36,704 | 5064 | 8.6 | 6.1835 | 21.9733 |
| 35,526 | 4829 | 9.0 | 16.8319 | 19.0560 | 36,050 | 4944 | 9.0 | 20.0213 | 11.7759 | 36,822 | 5067 | 7.9 | 7.8423 | 25.0646 |
| 35,611 | 4831 | 8.7 | 18.5811 | 19.2185 | 36,103 | 4945 | 8.8 | 20.0272 | 16.7969 | 36,811 | 5069 | 9.1 | 8.6235 | 24.5102 |
| 35,556 | 4832 | 7.1 | 18.7607 | 13.8140 | 36,139 | 4948 | 8.2 | 21.7051 | 20.3163 | 36,738 | 5070 | 8.5 | 8.6997 | 12.7693 |
| 35,537 | 4836 | 8.5 | 19.6953 | 12.3405 | 36,074 | 4950 | 8.4 | 22.0562 | 13.6475 | 36,813 | 5075 | 9.2 | 12.0191 | 24.6783 |
| 35,612 | 4841 | 8.5 | 22.1735 | 19.1781 | 35,979 | 4957 | 9.0 | 25.7181 | 4.3158 | 36,688 | 5076 | 9.0 | 12.0668 | 5.9909 |
| 35,497 | 4842 | 9.0 | 22.5487 | 6.4230 | R.A. 11 ^h 16 ^m | | | | | 36,715 | 5077 | 8.5 | 12.4137 | 9.6491 |
| 35,520 | 4845 | 7.2 | 23.6204 | 10.7152 | 36,220 | 4957 | 9.0 | 2.9245 | 4.3013 | 36,722 | 5084 | 8.5 | 16.4107 | 10.9556 |
| 35,640 | 4846 | 8.7 | 23.8116 | 22.3763 | 36,378 | 4966 | 7.9 | 7.8650 | 21.1532 | 36,600 | 5085 | 8.4 | 16.4708 | 5.4793 |
| 35,627 | 4848 | 9.2 | 25.3663 | 20.2618 | 36,315 | 4967 | 9.2 | 8.1232 | 16.3878 | 36,816 | 5088 | 8.9 | 17.6646 | 24.3301 |
| R.A. 11 ^h 0 ^m | | | | | 36,286 | 4973 | 7.5 | 10.7439 | 13.3460 | 36,733 | 5091 | 8.8 | 20.4507 | 12.6039 |
| 35,796 | 4845 | 7.2 | 0.8997 | 10.7236 | 36,234 | 4975 | 8.4 | 11.4335 | 5.3531 | 36,701 | 5092 | 9.2 | 21.0513 | 7.6445 |
| 35,908 | 4846 | 8.7 | 1.2235 | 22.3821 | 36,265 | 4977 | 8.9 | 12.7187 | 9.8530 | 36,670 | 5094 | 9.1 | 21.3553 | 2.7241 |
| 35,893 | 4848 | 9.2 | 2.7540 | 20.2524 | 36,215 | 4978 | 9.1 | 12.8119 | 3.1169 | 36,818 | 5098 | 9.5 | 22.2381 | 24.5726 |
| 35,853 | 4849 | 9.0 | 3.1439 | 16.3137 | 36,406 | 4980 | 8.1 | 14.2540 | 23.8276 | 36,677 | 5099 | 8.8 | 22.7460 | 3.4011 |
| 35,861 | 4851 | 8.9 | 3.8436 | 17.6102 | 36,235 | 4981 | 8.8 | 14.8346 | 6.0018 | 36,735 | 5100 | 8.4 | 22.7220 | 11.8525 |
| 35,882 | 4852 | 8.3 | 4.0420 | 19.2708 | 36,416 | 4983 | 8.4 | 15.2787 | 24.5001 | R.A. 11 ^h 40 ^m | | | | |
| 35,846 | 4861 | 9.0 | 7.2664 | 15.0426 | 36,338 | 4987 | 7.9 | 17.9786 | 16.8226 | 36,918 | 5110 | 8.3 | 4.2089 | 11.6926 |
| 35,833 | 4865 | 6.5 | 10.1313 | 14.3381 | 36,432 | 4990 | 7.4 | 18.5707 | 25.9338 | 36,996 | 5111 | 6.4 | 4.5554 | 21.8741 |
| 35,915 | 4866 | 9.2 | 11.5865 | 23.0782 | 36,350 | 4991 | 8.7 | 19.4806 | 18.2766 | 36,955 | 5118 | 7.2 | 8.2677 | 16.2197 |
| 35,835 | 4871 | 9.0 | 11.6834 | 14.5134 | 36,222 | 4992 | 5.7 | 19.8670 | 3.7760 | 36,707 | 5124 | 8.9 | 11.7579 | 23.3219 |
| 35,919 | 4876 | 8.3 | 15.5894 | 23.4170 | 36,339 | 4995 | 8.6 | 21.1959 | 17.3241 | 36,876 | 5126 | 8.8 | 13.1495 | 5.0299 |
| 35,867 | 4879 | 9.1 | 17.3559 | 17.1015 | 36,239 | 4997 | 8.6 | 22.0228 | 6.1651 | 36,880 | 5134 | 8.4 | 17.5127 | 6.4291 |
| 35,722 | 4880 | 8.8 | 17.4079 | 4.0601 | 36,281 | 5001 | 8.8 | 23.4717 | 12.3460 | 36,922 | 5135 | 8.1 | 17.6660 | 11.9738 |
| 35,729 | 4884 | 9.3 | 18.3666 | 4.9793 | 36,324 | 5002 | 9.0 | 23.5613 | 16.5057 | 36,878 | 5137 | 9.1 | 18.1617 | 5.2838 |
| 35,781 | 4895 | 8.9 | 23.7377 | 9.9473 | R.A. 11 ^h 24 ^m | | | | | 36,884 | 5141 | 8.5 | 19.7034 | 5.5409 |
| 35,887 | 4896 | 8.3 | 23.7511 | 19.2100 | 36,512 | 5001 | 8.8 | 0.7696 | 12.3560 | 36,903 | 5142 | 7.9 | 19.7880 | 8.7006 |
| 35,888 | 4898 | 9.2 | 24.0456 | 19.7320 | 36,538 | 5002 | 9.0 | 0.9064 | 16.5145 | 36,916 | 5143 | 8.4 | 20.6316 | 11.1594 |
| 35,815 | 4900 | 6.7 | 24.3723 | 11.5279 | 36,588 | 5009 | 6.6 | 4.6785 | 25.3990 | 36,924 | 5144 | 8.6 | 20.6390 | 12.2088 |
| 35,927 | 4903 | 8.3 | 24.7294 | 24.7014 | 36,547 | 5011 | 9.1 | 4.9726 | 18.5047 | 36,980 | 5147 | 9.2 | 23.0414 | 20.5647 |
| 35,734 | 4904 | 8.6 | 25.0368 | 4.8048 | 36,484 | 5012 | 8.6 | 5.0267 | 7.3474 | 36,964 | 5149 | 9.1 | 24.0011 | 17.2929 |
| 35,903 | 4905 | 9.0 | 25.0968 | 20.4829 | 36,485 | 5016 | 8.4 | 6.4466 | 7.2961 | 36,893 | 5150 | 8.9 | 24.4964 | 7.4711 |
| R.A. 11 ^h 8 ^m | | | | | 36,507 | 5017 | 8.9 | 7.4038 | 11.8191 | 37,002 | 5152 | 8.7 | 24.7750 | 22.4886 |
| 36,012 | 4895 | 8.9 | 0.9981 | 9.0543 | 36,489 | 5018 | 7.1 | 7.4091 | 8.7973 | 36,908 | 5154 | 8.8 | 25.6952 | 8.6642 |
| 36,117 | 4896 | 8.3 | 1.1270 | 19.2175 | 36,491 | 5025 | 8.6 | 10.0361 | 9.3838 | R.A. 11 ^h 48 ^m | | | | |
| 36,128 | 4898 | 9.2 | 1.4275 | 19.7351 | 36,552 | 5028 | 8.9 | 10.4386 | 18.9155 | 37,183 | 5147 | 9.2 | 0.4326 | 20.5795 |
| 36,039 | 4900 | 6.7 | 1.6600 | 11.5276 | 36,460 | 5029 | 8.8 | 10.5590 | 4.7320 | 37,168 | 5149 | 9.1 | 1.3553 | 17.2967 |
| 36,170 | 4903 | 8.3 | 2.1676 | 24.0960 | 36,457 | 5030 | 8.5 | 10.8424 | 2.0975 | 37,099 | 5150 | 8.9 | 1.7388 | 7.4698 |
| 35,981 | 4904 | 8.6 | 2.2489 | 4.7978 | 36,533 | 5032 | 8.7 | 13.1751 | 15.9080 | | | | | |

| Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | |
|--|----------|------|--------------------------------|---------|---|----------|---------|--------------------------------|---------|--------------------------------------|----------|---------|--------------------------------|---------|
| Hyd. | Algiers. | | ξ. | η. | Hyd. | Algiers. | | ξ. | η. | Hyd. | Algiers. | | ξ. | η. |
| R.A. 11 ^h 48 ^m (continued) | | | | | R.A. 12 ^h 4 ^m (continued) | | | | | R.A. 12 ^h 28 ^m | | | | |
| 37,195 | 5152 | 8-7 | 2-1880 | 22-4828 | 37,595 | 5276 | 9-6 | 11-7531 | 19-1746 | 38,129 | 5409 | 9-2 | 4-1082 | 17-9613 |
| 37,112 | 5154 | 8-8 | 2-9511 | 8-6494 | 37,584 | 5278 | 8-8 | 12-5585 | 17-5202 | 38,022 | 5410 | 9-3 | 4-8451 | 3-2632 |
| 37,137 | 5157 | 8-1 | 5-0408 | 13-6119 | 37,585 | 5283 | 8-7 | 14-7543 | 16-8779 | 38,041 | 5411 | 9-1 | 4-9505 | 6-9046 |
| 37,103 | 5158 | 8-7 | 5-1107 | 16-3555 | 37,596 | 5284 | 9-1 | 14-9260 | 18-8791 | 38,181 | 5413 | 8-5 | 5-9079 | 24-5203 |
| 37,146 | 5160 | 8-9 | 5-6000 | 14-5275 | 37,602 | 5288 | 8-7 | 15-9329 | 20-4546 | 38,169 | 5415 | 8-9 | 6-8868 | 22-1543 |
| 37,069 | 5162 | 8-6 | 6-1752 | 3-1884 | 37,575 | 5289 | 7-3 | 16-3004 | 15-5654 | 38,090 | 5417 | 7-3 | 7-1722 | 13-5052 |
| 37,090 | 5168 | 8-9 | 7-7858 | 6-1181 | 37,591 | 5292 | 9-0 | 18-8644 | 18-5830 | 38,034 | 5418 | 9-0 | 7-2060 | 6-3437 |
| 37,075 | 5170 | 8-3 | 8-0185 | 3-8317 | 37,576 | 5293 | 9-4 | 19-4381 | 15-2242 | 38,182 | 5421 | 9-1 | 10-7285 | 24-2150 |
| 37,108 | 5172 | 7-9 | 8-8714 | 8-4258 | 37,587 | 5295 | 7-5 | 20-5838 | 17-4880 | 38,036 | 5422 | 8-7 | 11-7924 | 5-7912 |
| 37,117 | 5174 | 7-6 | 10-5090 | 8-8027 | 37,516 | 5296 | 8-3 | 20-6977 | 3-7907 | 38,024 | 5423 | 8-5 | 17-0543 | 3-2997 |
| 37,175 | 5176 | 8-3 | 10-8774 | 18-0083 | 37,592 | 5298 | 9-1 | 21-9009 | 18-2453 | 38,124 | 5425 | 8-7 | 12-0043 | 16-6043 |
| 37,118 | 5179 | 8-3 | 11-9420 | 8-6165 | 37,588 | 5299 | 7-8 | 21-9422 | 16-8191 | 38,114 | 5429 | 6-8 | 13-1468 | 15-8823 |
| 37,156 | 5180 | 8-7 | 12-5092 | 14-7038 | 37,603 | 5301 | 9-0 | 22-7085 | 19-7562 | 38,185 | 5431 | 8-6 | 14-0458 | 24-4561 |
| 37,076 | 5181 | 9-0 | 13-7495 | 3-5182 | 37,582 | 5302 | 8-7 | 22-8572 | 16-1827 | 38,058 | 5440 | 9-8 | 16-4081 | 7-7587 |
| 37,200 | 5182 | 8-7 | 14-5749 | 22-5699 | | | | | | 38,188 | 5446 | 8-3 | 20-3701 | 23-9856 |
| 37,217 | 5183 | 8-6 | 15-1186 | 24-3800 | | | | | | 38,066 | 5447 | 9-2 | 20-6736 | 13-1545 |
| 37,219 | 5188 | 9-2 | 18-1431 | 24-3590 | | | | | | 38,189 | 5448 | 6-1 | 20-7086 | 24-7158 |
| 37,166 | 5195 | 9-1 | 20-8491 | 16-6139 | | | | | | 38,033 | 5450 | 8-6 | 21-6635 | 5-0764 |
| 37,176 | 5197 | 9-2 | 21-2970 | 18-0864 | | | | | | 38,039 | 5453 | 8-7 | 22-9594 | 6-4368 |
| 37,160 | 5201 | 8-5 | 23-1306 | 15-7960 | | | | | | 38,147 | 5456 | 8-6 | 24-2112 | 19-3717 |
| | | | | | | | | | | 38,098 | 5457 | 8-6 | 25-6002 | 13-3749 |
| R.A. 11 ^h 56 ^m | | | | | R.A. 12 ^h 12 ^m | | | | | R.A. 12 ^h 36 ^m | | | | |
| 37,380 | 5201 | 8-5 | 0-4677 | 15-8098 | 37,787 | 5308 | 8-0 | 3-4121 | 22-2796 | 38,372 | 5456 | 8-6 | 1-5889 | 19-3728 |
| 37,291 | 5205 | 8-0 | 3-8019 | 6-1126 | 37,759 | 5309 | 9-5 | 3-4653 | 19-1432 | 38,334 | 5457 | 8-6 | 2-9095 | 13-3605 |
| 37,397 | 5207 | 8-8 | 5-2075 | 19-2461 | 37,685 | 5311 | 8-0 | 4-8045 | 8-1880 | 38,380 | 5458 | 8-9 | 3-1701 | 20-0793 |
| 37,420 | 5212 | 7-7 | 7-4613 | 22-4183 | 37,707 | 5312 | 8-5 | 5-4408 | 19-6262 | 38,268 | 5461 | 8-7 | 4-4717 | 2-6002 |
| 37,283 | 5214 | 9-3 | 8-8089 | 4-9903 | 37,707 | 5313 | 9-3 | 5-5155 | 23-4349 | 38,373 | 5462 | 8-7 | 5-1139 | 19-0669 |
| 37,307 | 5217 | 6-2 | 12-2601 | 14-2304 | 37,801 | 5316 | 9-7 | 6-7412 | 23-4488 | 38,409 | 5465 | 9-0 | 6-2676 | 24-6993 |
| 37,456 | 5218 | 8-2 | 12-4303 | 25-9154 | 37,714 | 5318 | 8-8 | 7-6637 | 10-9047 | 38,344 | 5467 | 8-4 | 7-0148 | 14-9028 |
| 37,368 | 5225 | 8-9 | 13-8563 | 14-3553 | 37,809 | 5320 | 7-3 | 8-6149 | 24-6972 | 38,311 | 5469 | 8-3 | 7-9784 | 9-2789 |
| 37,339 | 5226 | 8-7 | 14-2603 | 11-1167 | 37,672 | 5321 | 8-6 | 8-9979 | 4-8565 | 38,293 | 5470 | 9-0 | 8-2903 | 12-4176 |
| 37,340 | 5228 | 8-4 | 14-5243 | 10-3819 | 37,707 | 5330 | 9-0 | 13-4185 | 10-2010 | 38,329 | 5475 | 8-9 | 10-1564 | 4-0117 |
| 37,271 | 5230 | 8-4 | 14-0433 | 3-8282 | 37,674 | 5334 | 9-0 | 15-5013 | 5-0734 | 38,273 | 5478 | 9-0 | 10-6800 | 8-0049 |
| 37,301 | 5233 | 8-7 | 17-1120 | 14-0299 | 37,666 | 5336 | 8-7 | 16-1574 | 2-8753 | 38,306 | 5479 | 8-6 | 11-5242 | 15-1419 |
| 37,307 | 5236 | 9-4 | 18-1188 | 7-9573 | 37,680 | 5345 | 8-9 | 19-5286 | 5-4440 | 38,306 | 5479 | 8-6 | 12-8013 | 2-3319 |
| 37,320 | 5238 | 9-1 | 18-3527 | 8-9256 | 37,695 | 5346 | var. | 19-9736 | 9-4219 | 38,245 | 5484 | 8-3 | 13-7323 | 25-8104 |
| 37,332 | 5240 | 8-8 | 19-8157 | 9-0085 | 5348 | 7-2 | 20-2006 | 8-7439 | 38,346 | 5487 | 6-4 | 14-6729 | 15-5327 | |
| 37,453 | 5241 | 8-9 | 21-1954 | 24-0810 | 5349 | 8-7 | 20-2321 | 22-6149 | 38,281 | 5492 | 9-2 | 15-8762 | 4-4586 | |
| 37,310 | 5242 | 9-0 | 21-3888 | 7-8838 | 37,710 | 5351 | 7-8 | 20-8211 | 9-6418 | 38,332 | 5493 | 9-1 | 17-0164 | 12-3997 |
| 37,322 | 5245 | 9-3 | 22-3989 | 8-3082 | 37,783 | 5357 | 8-7 | 22-9313 | 21-0937 | 38,283 | 5494 | 8-9 | 17-2528 | 4-8540 |
| 37,461 | 5246 | 8-8 | 22-6070 | 25-8250 | 37,750 | 5359 | 8-8 | 23-3122 | 17-0964 | 38,313 | 5497 | 8-6 | 18-9050 | 8-8888 |
| 37,356 | 5248 | 8-7 | 23-7541 | 13-1203 | 37,807 | 5361 | 9-1 | 24-8456 | 23-1952 | 38,284 | 5499 | 8-6 | 19-4777 | 4-8755 |
| 37,342 | 5249 | 8-0 | 23-8813 | 10-8651 | | | | | | 38,292 | 5502 | 9-0 | 20-7489 | 5-5410 |
| 37,447 | 5251 | 9-5 | 24-6506 | 24-3417 | | | | | | 38,269 | 5504 | 8-5 | 20-7915 | 7-2677 |
| R.A. 12 ^h 4 ^m | | | | | R.A. 12 ^h 20 ^m | | | | | R.A. 12 ^h 44 ^m | | | | |
| 37,561 | 5248 | 8-7 | 1-0609 | 13-1331 | 37,955 | 5357 | 8-7 | 0-3286 | 21-1098 | 38,538 | 5509 | 8-4 | 0-6167 | 17-4509 |
| 37,551 | 5249 | 9-0 | 1-1024 | 10-8704 | 37,927 | 5359 | 8-0 | 0-6651 | 17-1081 | 38,565 | 5510 | 8-8 | 1-5759 | 21-3764 |
| 37,625 | 5251 | 8-5 | 2-0848 | 24-3372 | 37,973 | 5361 | 9-1 | 2-2666 | 23-1886 | 38,557 | 5512 | 7-5 | 2-4857 | 20-2115 |
| 37,612 | 5255 | 8-8 | 4-4568 | 21-8084 | 37,974 | 5369 | 8-8 | 6-3766 | 23-1132 | 38,298 | 5507 | 8-9 | 3-6936 | 19-3648 |
| 37,593 | 5257 | 8-4 | 4-7947 | 18-8164 | 37,880 | 5371 | 8-8 | 7-6300 | 7-4256 | 38,363 | 5509 | 8-4 | 23-2610 | 17-4387 |
| 37,627 | 5261 | 9-4 | 6-7941 | 23-0562 | 37,930 | 5374 | 9-2 | 8-5008 | 17-2249 | 38,394 | 5510 | 8-8 | 24-1754 | 21-3749 |
| 37,503 | 5262 | 8-5 | 7-0492 | 12-6809 | 37,946 | 5375 | 7-9 | 8-6357 | 19-3871 | 38,387 | 5512 | 7-5 | 25-0984 | 20-2208 |
| 37,631 | 5263 | 9-2 | 7-4531 | 25-2117 | | | | | | | | | | |
| 37,606 | 5266 | 9-3 | 8-7827 | 21-5733 | 37,895 | 5376 | 7-8 | 9-2876 | 9-0593 | | | | | |
| 37,607 | 5267 | 9-0 | 9-2757 | 21-1517 | 37,915 | 5377 | 7-6 | 9-7378 | 13-1964 | 38,545 | 5521 | 8-6 | 6-3986 | 17-6835 |
| 37,580 | 5269 | 8-6 | 10-2219 | 15-9409 | 37,947 | 5382 | 9-0 | 11-6102 | 19-2057 | 38,527 | 5523 | 8-7 | 7-1898 | 14-3401 |
| 37,532 | 5274 | 8-5 | 11-1191 | 7-2305 | 37,917 | 5384 | 8-7 | 12-1107 | 12-9315 | 38,487 | 5524 | 6-7 | 7-5725 | 16-5022 |
| 37,594 | 5275 | 10-0 | 11-6731 | 18-8213 | 37,933 | 5385 | 8-8 | 12-1653 | 16-7972 | | | | | |
| | | | | | 37,995 | 5389 | 8-0 | 13-8245 | 10-6515 | | | | | |
| | | | | | 37,900 | 5391 | 8-0 | 16-7610 | 10-1447 | | | | | |
| | | | | | 37,941 | 5393 | 9-0 | 18-4771 | 18-1294 | | | | | |
| | | | | | 37,942 | 5395 | 8-6 | 18-5531 | 17-9423 | | | | | |
| | | | | | 37,978 | 5396 | 8-9 | 18-8466 | 23-5820 | | | | | |
| | | | | | 37,950 | 5400 | 9-3 | 21-6376 | 19-5957 | | | | | |
| | | | | | 37,884 | 5401 | 8-8 | 21-7304 | 6-9437 | | | | | |
| | | | | | 37,918 | 5402 | 9-5 | 21-7622 | 13-3123 | | | | | |

| Reference No. | | | Mag. | Standard co-ordinates, 1900-0. | |
|--|----------|-----|---------|--------------------------------|-----|
| Hyd. | Algiers. | | | ξ'. | η'. |
| R.A. 12 ^h 44 ^m (continued) | | | | | |
| 38,481 | 5526 | 8.5 | 8-1478 | 5-8834 | |
| 38,489 | 5527 | 9.3 | 8-7537 | 7-2523 | |
| 38,531 | 5529 | 8.5 | 9-6499 | 15-4915 | |
| 38,567 | 5533 | 8.9 | 11-3952 | 21-4729 | |
| 38,529 | 5534 | 8.2 | 11-6781 | 14-3741 | |
| 38,548 | 5536 | 8.9 | 12-0380 | 18-1346 | |
| 38,597 | 5538 | 8.7 | 12-6942 | 25-7572 | |
| 38,577 | 5539 | 9.0 | 12-7129 | 21-9942 | |
| 38,541 | 5542 | 8.5 | 13-6506 | 17-2194 | |
| 38,578 | 5546 | 8.9 | 15-5366 | 22-8363 | |
| 38,477 | 5547 | 9.2 | 16-5180 | 5-1167 | |
| 38,457 | 5549 | 9.1 | 17-9084 | 2-3273 | |
| 38,580 | 5550 | 8.8 | 18-4533 | 22-8655 | |
| 38,482 | 5551 | 8.5 | 20-4817 | 5-8070 | |
| 38,581 | 5552 | 9.1 | 20-8820 | 22-3595 | |
| 38,573 | 5556 | 8.9 | 23-0242 | 21-0833 | |
| 38,542 | 5557 | 8.6 | 24-8726 | 17-0001 | |
| R.A. 12 ^h 52 ^m | | | | | |
| 38,763 | 5556 | 8.9 | 1-3214 | 21-0878 | |
| 38,743 | 5557 | 8.6 | 2-2233 | 16-9937 | |
| 38,764 | 5561 | 9.0 | 3-9359 | 21-2340 | |
| 38,758 | 5563 | 7.0 | 5-0885 | 19-6816 | |
| 38,707 | 5564 | 9.1 | 6-2051 | 11-2944 | |
| 38,714 | 5565 | 9.0 | 6-8008 | 12-1790 | |
| 38,690 | 5568 | 9.1 | 7-8460 | 8-0871 | |
| 38,751 | 5570 | 9.5 | 9-4343 | 18-7167 | |
| 38,765 | 5571 | 8.3 | 9-5247 | 21-0766 | |
| 38,666 | 5572 | 9.2 | 9-9291 | 3-5333 | |
| 38,728 | 5573 | 7.3 | 10-1579 | 14-0853 | |
| 38,771 | 5574 | 9.0 | 11-9591 | 23-1106 | |
| 38,735 | 5576 | 9.2 | 13-3499 | 15-1990 | |
| 38,741 | 5578 | 8.2 | 13-8008 | 15-5172 | |
| 38,696 | 5580 | 9.0 | 14-7738 | 8-7770 | |
| 38,760 | 5582 | 9.3 | 15-4564 | 19-5864 | |
| 38,772 | 5583 | 7.9 | 15-7079 | 23-1087 | |
| 38,717 | 5588 | 9.0 | 19-8883 | 12-1985 | |
| 38,770 | 5591 | 7.8 | 20-0544 | 22-0312 | |
| 38,754 | 5592 | 9.2 | 20-3317 | 18-7369 | |
| 38,718 | 5593 | 8.3 | 21-2434 | 12-3257 | |
| 38,774 | 5594 | 9.4 | 21-7983 | 23-0900 | |
| 38,775 | 5596 | 9.1 | 22-6307 | 22-8862 | |
| 38,776 | 5597 | 9.3 | 22-7305 | 24-0125 | |
| R.A. 13 ^h 0 ^m | | | | | |
| 38,873 | 5602 | 7.8 | 3-2719 | 15-8453 | |
| 38,894 | 5604 | 9.0 | 3-7644 | 19-7935 | |
| 38,888 | 5606 | 9.5 | 4-6191 | 19-0980 | |
| 38,886 | 5607 | 9.3 | 5-5789 | 17-3468 | |
| 38,923 | 5608 | 8.5 | 6-3523 | 24-3204 | |
| 38,901 | 5609 | 9.3 | 6-4279 | 20-7262 | |
| 38,839 | 5610 | 8.2 | 6-5430 | 7-4768 | |
| 38,871 | 5613 | 8.8 | 7-7581 | 14-0762 | |
| 38,925 | 5614 | 9.2 | 8-2978 | 23-7409 | |
| 38,935 | 5615 | 6.1 | 8-5224 | 25-5624 | |
| 38,835 | 5620 | 8.7 | 13-4497 | 6-3139 | |
| 38,819 | 5622 | 8.6 | 14-3066 | 4-4773 | |
| 38,903 | 5623 | 9.0 | 15-2316 | 21-2515 | |
| 38,890 | 5624 | 8.5 | 16-0359 | 19-2838 | |
| 38,830 | 5625 | 8.6 | 16-1696 | 5-9691 | |
| R.A. 13 ^h 0 ^m (continued) | | | | | |
| 38,896 | 5628 | 8.3 | 17-8612 | 20-2734 | |
| 38,861 | 5629 | 8.8 | 18-6168 | 12-2276 | |
| 38,910 | 5630 | 9.2 | 19-0255 | 21-7450 | |
| 38,837 | 5632 | 8.0 | 20-2129 | 7-0307 | |
| 38,883 | 5633 | 9.0 | 20-3043 | 16-7676 | |
| 38,877 | 5637 | 9.0 | 23-8334 | 15-5167 | |
| 38,937 | 5639 | 7.8 | 24-2982 | 25-7757 | |
| 38,899 | 5641 | 7.7 | 24-7386 | 20-1176 | |
| 38,914 | 5643 | 9.4 | 25-7830 | 21-7113 | |
| R.A. 13 ^h 8 ^m | | | | | |
| 39,058 | 5637 | 9.0 | 1-1673 | 15-5225 | |
| 39,135 | 5639 | 7.8 | 1-7487 | 25-7753 | |
| 39,092 | 5641 | 7.7 | 2-1247 | 20-1125 | |
| 39,111 | 5643 | 9.4 | 3-1870 | 21-6938 | |
| 39,118 | 5644 | 9.1 | 3-2524 | 22-7302 | |
| 38,986 | 5647 | 9.0 | 3-9136 | 5-4133 | |
| 39,061 | 5649 | 9.0 | 5-0027 | 15-5422 | |
| 39,038 | 5651 | 9.0 | 6-2653 | 12-5804 | |
| 38,976 | 5653 | 8.7 | 6-7691 | 4-2518 | |
| 39,018 | 5654 | 9.3 | 7-7906 | 10-2910 | |
| 39,034 | 5658 | 9.3 | 11-1780 | 11-9715 | |
| 38,989 | 5659 | 9.2 | 11-5095 | 6-1691 | |
| 39,062 | 5661 | 9.3 | 12-7644 | 15-6793 | |
| 39,115 | 5663 | 8.8 | 13-0301 | 21-8945 | |
| 38,982 | 5664 | 7.2 | 13-2886 | 4-5483 | |
| 39,107 | 5665 | 9.0 | 14-0932 | 21-3314 | |
| 39,077 | 5667 | 5.5 | 15-3519 | 17-8728 | |
| 38,999 | 5670 | 8.9 | 17-5762 | 7-0712 | |
| 39,015 | 5672 | 8.8 | 18-3011 | 9-0908 | |
| 38,990 | 5673 | 8.8 | 18-3761 | 5-6960 | |
| 39,079 | 5675 | 6.4 | 20-2628 | 17-9460 | |
| 39,144 | 5677 | 8.9 | 20-8666 | 25-8496 | |
| R.A. 13 ^h 16 ^m | | | | | |
| 39,277 | 5688 | 9.1 | 4-8356 | 25-0985 | |
| 39,253 | 5691 | 8.5 | 6-4723 | 18-7392 | |
| 39,278 | 5694 | 8.9 | 8-7797 | 25-4793 | |
| 39,176 | 5695 | 9.1 | 8-8081 | 4-3343 | |
| 39,271 | 5698 | 8.7 | 10-6562 | 23-1574 | |
| 39,216 | 5702 | 7.0 | 13-3412 | 12-5827 | |
| 39,171 | 5703 | 7.6 | 14-1547 | 3-6144 | |
| 39,263 | 5708 | 8.8 | 16-4856 | 20-3585 | |
| 39,213 | 5709 | 9.4 | 16-8623 | 12-3608 | |
| 39,199 | 5711 | 9.0 | 17-9651 | 9-1474 | |
| 39,273 | 5718 | 8.3 | 24-2327 | 23-6600 | |
| 39,266 | 5720 | 8.4 | 24-6740 | 20-9278 | |
| 39,196 | 5722 | 9.0 | 25-6302 | 8-0862 | |
| R.A. 13 ^h 24 ^m | | | | | |
| 39,427 | 5718 | 8.3 | 1-6591 | 23-6607 | |
| 39,495 | 5720 | 8.4 | 2-0693 | 20-9233 | |
| 39,342 | 5722 | 9.0 | 2-8795 | 8-0723 | |
| 39,388 | 5724 | 7.5 | 3-1490 | 16-5630 | |
| 39,417 | 5729 | 8.8 | 6-2696 | 23-0709 | |
| 39,315 | 5731 | 8.7 | 6-4993 | 3-0614 | |
| 39,418 | 5732 | 8.6 | 6-6564 | 22-8079 | |
| R.A. 13 ^h 24 ^m (continued) | | | | | |
| 39,357 | 5735 | 9.2 | 10-2264 | 9-6798 | |
| 39,318 | 5738 | 6.5 | 13-2408 | 3-5317 | |
| 39,415 | 5742 | 7.6 | 14-6910 | 22-5476 | |
| 39,339 | 5743 | 8.9 | 15-3662 | 7-2341 | |
| 39,365 | 5747 | 9.0 | 16-7742 | 11-4519 | |
| 39,374 | 5748 | 7.5 | 17-2906 | 13-5223 | |
| 39,345 | 5750 | 9.1 | 18-1831 | 7-8485 | |
| 39,320 | 5754 | 6.0 | 20-5612 | 3-5738 | |
| 39,359 | 5756 | 8.7 | 21-5191 | 10-1119 | |
| 39,360 | 5758 | 8.7 | 23-2913 | 9-8058 | |
| 39,399 | 5759 | 7.4 | 23-6480 | 18-7340 | |
| R.A. 13 ^h 32 ^m | | | | | |
| 39,517 | 5758 | 8.7 | 0-5613 | 9-9079 | |
| 39,573 | 5759 | 7.4 | 1-0185 | 18-7417 | |
| 39,595 | 5763 | 8.5 | 4-3488 | 8-1545 | |
| 39,599 | 5764 | 8.8 | 4-4249 | 24-3491 | |
| 39,601 | 5766 | 9.2 | 6-5360 | 24-1140 | |
| 39,544 | 5771 | 9.0 | 10-3523 | 13-9241 | |
| 39,545 | 5777 | 9.1 | 13-1035 | 14-3263 | |
| 39,584 | 5780 | 8.8 | 14-0586 | 20-8567 | |
| 39,511 | 5784 | 8.4 | 15-0789 | 9-1520 | |
| 39,607 | 5786 | 8.7 | 15-4571 | 23-6922 | |
| 39,512 | 5787 | 9.0 | 15-9544 | 9-1144 | |
| 39,566 | 5789 | 9.1 | 17-2647 | 17-2389 | |
| 39,546 | 5790 | 8.8 | 17-8437 | 14-5966 | |
| 39,551 | 5791 | 9.0 | 18-0029 | 15-1161 | |
| 39,516 | 5798 | 8.0 | 25-2207 | 8-6664 | |
| 39,502 | 5799 | 7.7 | 25-6568 | 6-7888 | |
| R.A. 13 ^h 40 ^m | | | | | |
| 39,793 | 5798 | 8.0 | 2-4759 | 8-5971 | |
| 39,693 | 5799 | 7.7 | 2-8914 | 6-7747 | |
| 39,737 | 5802 | 8.9 | 4-3770 | 11-7245 | |
| 39,766 | 5805 | 8.7 | 6-0974 | 17-8786 | |
| 39,702 | 5811 | 9.1 | 11-6301 | 8-3653 | |
| 39,754 | 5812 | 9.0 | 11-0703 | 15-6973 | |
| 39,718 | 5813 | 8.3 | 12-8192 | 10-9603 | |
| 39,779 | 5817 | 8.6 | 17-2210 | 18-2647 | |
| 39,714 | 5821 | 6.8 | 18-0187 | 10-6682 | |
| 39,793 | 5823 | 8.0 | 18-0898 | 22-4433 | |
| 39,721 | 5824 | 9.0 | 18-3659 | 11-0741 | |
| 39,805 | 5825 | 9.0 | 18-8641 | 23-4485 | |
| 39,866 | 5829 | 8.3 | 19-2181 | 22-9956 | |
| 39,665 | 5831 | 7.3 | 20-0731 | 1-8943 | |
| 39,708 | 5834 | 9.2 | 22-5684 | 8-6242 | |
| 39,776 | 5840 | 8.5 | 24-7539 | 19-3645 | |
| R.A. 13 ^h 48 ^m | | | | | |
| 39,973 | 5840 | 8.9 | 2-1395 | 19-3594 | |
| 39,909 | 5842 | 8.5 | 3-5644 | 11-2885 | |
| 39,919 | 5846 | 8.2 | 4-5139 | 11-7976 | |
| 39,965 | 5847 | 6.5 | 4-7888 | 17-8406 | |
| 40,042 | 5848 | 8.9 | 25-2497 | 25-9077 | |
| 39,967 | 5853 | 9.2 | 8-7822 | 18-0007 | |
| 39,876 | 5856 | 7.0 | 10-6844 | 3-5847 | |
| 39,877 | 5857 | 9.0 | 11-1723 | 3-1601 | |

| Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | |
|--|----------|------|--------------------------------|---------|--|----------|------|--------------------------------|---------|--------------------------------------|----------|------|--------------------------------|---------|
| Hyd. | Algiers. | | ξ. | η. | Hyd. | Algiers. | | ξ. | η. | Hyd. | Algiers. | | ξ. | η. |
| R.A. 13 ^h 48 ^m (continued) | | | | | R.A. 14 ^h 12 ^m (continued) | | | | | R.A. 14 ^h 36 ^m | | | | |
| 39,995 | 5859 | 9.5 | 12-6446 | 21-4017 | 40,607 | 5984 | 9.0 | 15-3943 | 8-4210 | 41,414 | 6090 | 8.8 | 2-2379 | 24-9275 |
| 39,979 | 5860 | 9.3 | 12-8021 | 19-1959 | 40,656 | 5985 | 8.8 | 15-5008 | 14-1988 | 41,355 | 6094 | 8.7 | 4-9501 | 19-1230 |
| 39,900 | 5862 | 8.8 | 14-3263 | 9-1014 | 40,577 | 5986 | 6.5 | 16-1523 | 4-0408 | 41,376 | 6097 | 9.4 | 6-6657 | 21-2399 |
| 39,938 | 5869 | 9.1 | 17-1002 | 13-9752 | 40,565 | 5989 | 8.0 | 18-4204 | 1-7603 | 41,301 | 6098 | 8.7 | 6-3500 | 13-2961 |
| 39,994 | 5871 | 7.2 | 17-3950 | 9-7154 | 40,633 | 5992 | 8.2 | 22-3304 | 11-5183 | 41,410 | 6099 | 8.4 | 6-4156 | 24-1121 |
| 39,912 | 5872 | 9.0 | 17-5804 | 11-0180 | 40,603 | 5994 | 8.3 | 23-0062 | 7-4287 | 41,346 | 6100 | 8.8 | 6-8107 | 18-2300 |
| 40,016 | 5873 | 9.0 | 18-0403 | 23-2040 | 40,586 | 5995 | 9.0 | 23-7474 | 5-3026 | 41,384 | 6101 | 9.3 | 7-0995 | 21-9743 |
| 39,989 | 5875 | 8.5 | 18-3611 | 20-5698 | 40,671 | 5997 | 8.8 | 24-1374 | 15-7002 | 41,317 | 6103 | 8.8 | 8-2844 | 15-5160 |
| 40,008 | 5880 | 8.9 | 19-6916 | 22-1325 | 40,641 | 5998 | 8.9 | 24-1071 | 11-6507 | 41,367 | 6104 | 9.2 | 8-3320 | 19-9062 |
| 39,906 | 5881 | 8.1 | 21-4882 | 9-9288 | 40,590 | 6002 | 9.0 | 25-5274 | 5-1185 | 41,368 | 6105 | 9.3 | 8-4589 | 19-7425 |
| 39,990 | 5886 | 8.8 | 23-0092 | 20-4980 | | | | | | 41,289 | 6106 | 9.0 | 9-0627 | 12-2346 |
| R.A. 13 ^h 56 ^m | | | | | R.A. 14 ^h 20 ^m | | | | | 41,329 | 6109 | 9.1 | 10-1676 | 16-6288 |
| 40,241 | 5886 | 8.8 | 0-3997 | 20-5132 | 40,840 | 5994 | 8.3 | 0-2482 | 7-4439 | 41,244 | 6110 | 8.9 | 11-1820 | 5-4315 |
| 40,121 | 5892 | 9.1 | 3-3336 | 3-6375 | 40,829 | 5995 | 9.0 | 0-9652 | 5-3097 | 41,357 | 6112 | 7.5 | 12-4193 | 18-9836 |
| 40,111 | 5893 | 9.1 | 3-7800 | 2-5732 | 40,808 | 5997 | 8.8 | 1-4734 | 15-7023 | 41,421 | 6113 | 9.4 | 12-8177 | 25-0785 |
| 40,243 | 5897 | 8.9 | 5-8775 | 19-7086 | 40,876 | 5998 | 8.9 | 1-3970 | 11-6535 | 41,389 | 6115 | 9.0 | 13-2550 | 22-3229 |
| 40,113 | 5898 | 7.1 | 6-0798 | 2-6536 | 40,832 | 6002 | 9.0 | 2-7429 | 5-1069 | 41,228 | 6116 | 8.4 | 13-6112 | 3-9006 |
| 40,216 | 5900 | 9.3 | 7-2096 | 15-6538 | 40,976 | 6004 | 9.0 | 4-2030 | 25-3040 | 41,294 | 6119 | 7.4 | 16-2388 | 11-6306 |
| 40,276 | 5903 | 8.6 | 9-1761 | 24-1915 | 40,958 | 6007 | 8.6 | 5-7519 | 21-9773 | 41,350 | 6121 | 9.1 | 16-8576 | 18-7047 |
| 40,122 | 5904 | 9.0 | 10-3943 | 3-2903 | 40,900 | 6008 | 9.0 | 6-8742 | 15-4313 | 41,265 | 6123 | 9.1 | 18-1449 | 8-4917 |
| 40,208 | 5905 | 9.1 | 11-2373 | 15-5071 | 40,945 | 6014 | 8.6 | 8-4454 | 21-4669 | 41,254 | 6125 | 8.5 | 18-5182 | 7-3426 |
| 40,221 | 5911 | 7.4 | 15-9140 | 16-9273 | 40,918 | 6015 | 7.7 | 8-5284 | 17-1459 | 41,426 | 6131 | 9.0 | 21-6378 | 25-7215 |
| 40,128 | 5915 | 9.2 | 17-9352 | 3-5856 | 40,910 | 6016 | 9.0 | 8-8220 | 16-5405 | 41,407 | 6133 | 9.3 | 23-6409 | 23-7504 |
| 40,230 | 5917 | 8.7 | 19-0866 | 18-5147 | 40,901 | 6017 | 7.9 | 9-7742 | 15-7679 | 41,274 | 6134 | 9.0 | 24-2682 | 8-8329 |
| 40,285 | 5924 | 9.0 | 23-2371 | 25-7112 | 40,870 | 6019 | 9.1 | 10-8922 | 11-4661 | 41,257 | 6136 | 8.1 | 25-2453 | 7-5345 |
| R.A. 14 ^h 4 ^m | | | | | 40,935 | 6023 | 7.5 | 12-6512 | 19-1589 | 41,269 | 6138 | 8.2 | 25-6096 | 7-7314 |
| 40,496 | 5924 | 9.0 | 0-6869 | 25-7236 | 40,936 | 6024 | 7.6 | 12-7521 | 19-2095 | R.A. 14 ^h 44 ^m | | | | |
| 40,458 | 5930 | 8.3 | 4-4455 | 20-1674 | 40,892 | 6026 | 9.0 | 13-6285 | 13-8204 | 41,617 | 6133 | 9.3 | 1-0684 | 23-7579 |
| 40,409 | 5931 | 9.0 | 5-1353 | 25-2961 | 40,902 | 6029 | 8.9 | 15-3289 | 14-9494 | 41,516 | 6134 | 9.0 | 1-5261 | 8-8340 |
| 40,404 | 5932 | 9.1 | 5-1451 | 21-4602 | 40,835 | 6031 | 8.8 | 15-9626 | 5-4348 | 41,508 | 6136 | 8.1 | 2-4883 | 7-5248 |
| 40,389 | 5933 | 7.8 | 6-2902 | 10-6942 | 40,912 | 6034 | 9.2 | 17-5720 | 16-1474 | 41,509 | 6138 | 8.2 | 2-8549 | 7-7177 |
| 40,331 | 5935 | 8.8 | 7-1337 | 4-5471 | 40,863 | 6038 | 9.3 | 19-4542 | 10-1003 | 41,492 | 6140 | 9.3 | 3-2876 | 5-6365 |
| 40,427 | 5940 | 8.4 | 8-6806 | 15-9564 | 40,874 | 6039 | 9.0 | 19-8860 | 11-1967 | 41,565 | 6143 | 9.1 | 4-6446 | 16-0764 |
| 40,346 | 5941 | 9.1 | 9-5120 | 5-6890 | 40,856 | 6042 | 9.3 | 20-9076 | 9-0926 | 41,556 | 6147 | 8.9 | 5-1501 | 12-0910 |
| 40,383 | 5944 | 6.8 | 11-5244 | 10-2306 | 40,858 | 6047 | 9.2 | 23-2597 | 9-3142 | 41,578 | 6148 | 9.3 | 5-1988 | 17-7643 |
| 40,441 | 5947 | 9.1 | 12-0989 | 18-2020 | 40,828 | 6049 | 9.0 | 24-2125 | 4-0493 | 41,465 | 6150 | 9.0 | 6-5979 | 1-7828 |
| 40,422 | 5951 | 8.7 | 16-3141 | 4-1131 | 40,867 | 6051 | 8.9 | 24-9778 | 9-8297 | 41,586 | 6154 | 7.4 | 12-4551 | 18-8533 |
| 40,377 | 5952 | 8.6 | 17-1491 | 9-0749 | R.A. 14 ^h 28 ^m | | | | | 41,549 | 6155 | 9.0 | 12-8767 | 14-1000 |
| 40,400 | 5955 | 8.8 | 18-2167 | 13-3005 | 41,055 | 6047 | 9.2 | 0-5231 | 9-3266 | 41,512 | 6156 | 8.6 | 13-1930 | 7-3136 |
| 40,360 | 5957 | 7.9 | 19-3624 | 7-5695 | 41,019 | 6049 | 9.0 | 1-4160 | 4-0514 | 41,504 | 6164 | 8.7 | 15-4239 | 6-2830 |
| 40,417 | 5958 | 9.1 | 19-5228 | 14-3355 | 41,060 | 6051 | 8.9 | 2-2470 | 9-8229 | 41,531 | 6165 | 8.7 | 15-4452 | 10-5842 |
| 40,325 | 5959 | 9.0 | 21-1230 | 4-3277 | 41,150 | 6052 | 8.9 | 3-6552 | 23-7755 | 41,480 | 6167 | 8.4 | 15-6908 | 3-5971 |
| 40,483 | 5962 | 8.5 | 25-5943 | 21-9140 | 41,110 | 6060 | 8.2 | 6-2167 | 19-3998 | 41,559 | 6168 | 8.6 | 15-8639 | 14-6901 |
| R.A. 14 ^h 12 ^m | | | | | 41,021 | 6063 | 9.0 | 7-7993 | 4-1390 | 41,551 | 6171 | 8.3 | 16-5958 | 13-7975 |
| 40,714 | 5962 | 8.5 | 3-0007 | 21-8986 | 41,034 | 6067 | 8.4 | 10-0504 | 5-5658 | 41,505 | 6172 | 8.1 | 17-3833 | 7-0522 |
| 40,738 | 5964 | 9.2 | 4-6470 | 25-2670 | 41,065 | 6070 | 8.9 | 12-9953 | 11-2227 | 41,489 | 6173 | 9.2 | 18-2941 | 4-2125 |
| 40,566 | 5967 | 8.8 | 5-5491 | 2-8399 | 41,061 | 6072 | 8.9 | 13-6212 | 10-0768 | 41,475 | 6174 | 8.9 | 18-5047 | 2-2310 |
| 40,692 | 5968 | 9.3 | 5-8286 | 18-9501 | 41,082 | 6074 | 8.4 | 14-5829 | 13-9544 | 41,544 | 6179 | 8.0 | 20-5957 | 13-3724 |
| 40,694 | 5971 | 9.2 | 7-5386 | 18-8645 | 41,066 | 6075 | 8.4 | 14-8139 | 10-4441 | 41,483 | 6181 | 8.3 | 22-9582 | 4-0223 |
| 40,694 | 5974 | 6.5 | 11-6074 | 2-4583 | 41,164 | 6078 | 6.8 | 16-4295 | 25-0124 | 41,527 | 6185 | 8.2 | 24-2665 | 9-8933 |
| 40,743 | 5976 | 8.7 | 12-2806 | 25-0850 | 41,035 | 6079 | 9.1 | 18-0730 | 5-6496 | 41,597 | 6186 | 7.9 | 24-3107 | 19-7869 |
| 40,696 | 5978 | 6.9 | 12-7346 | 18-9952 | 41,088 | 6080 | 8.8 | 18-0610 | 15-4145 | 41,491 | 6188 | 9.3 | 24-8548 | 5-2423 |
| 40,648 | 5979 | 9.3 | 12-7911 | 13-2603 | 41,141 | 6083 | 9.1 | 19-6444 | 7-4337 | R.A. 14 ^h 52 ^m | | | | |
| 40,660 | 5982 | 8.8 | 14-5434 | 15-0073 | 41,132 | 6085 | 9.3 | 20-5681 | 22-2188 | 41,707 | 6185 | 8.2 | 1-5365 | 9-8944 |
| 40,713 | 5983 | 8.5 | 14-6151 | 21-5065 | 41,036 | 6086 | 8.8 | 22-0295 | 21-1866 | 41,764 | 6186 | 7.9 | 1-6931 | 19-7869 |
| | | | | | 41,166 | 6090 | 8.8 | 24-7971 | 24-9338 | 41,679 | 6188 | 9.3 | 2-0719 | 5-2372 |
| | | | | | | | | | | 41,693 | 6190 | 9.2 | 3-6166 | 7-5763 |
| | | | | | | | | | | 41,765 | 6192 | 7.5 | 5-7227 | 20-2797 |

14^h 52^m—15^h 40^m

HYDERABAD ASTROGRAPHIC CATALOGUE, 1900-0.

—19°.

| Reference No. | | | | Reference No. | | | | Reference No. | | | | | | |
|--|----------|--------------------------------|---------|---|----------|--------------------------------|-----|--|----------|--------------------------------|------|-----|---------|---------|
| Mag. | | Standard co-ordinates, 1900-0. | | Mag. | | Standard co-ordinates, 1900-0. | | Mag. | | Standard co-ordinates, 1900-0. | | | | |
| Hyd. | Algiers. | ℓ. | η. | Hyd. | Algiers. | ℓ. | η. | Hyd. | Algiers. | ℓ. | η. | | | |
| R.A. 14 ^h 52 ^m (continued) | | | | R.A. 15 ^h 8 ^m (continued) | | | | R.A. 15 ^h 24 ^m (continued) | | | | | | |
| 41,774 | 6193 | 9-0 | 7-2148 | 21-7944 | 42,220 | 6297 | 8-8 | 10-8172 | 21-9650 | 42,665 | 6414 | 9-2 | 19-6391 | 19-6856 |
| 41,793 | 6194 | 8-2 | 8-7698 | 24-8166 | 42,166 | 6298 | 8-9 | 10-8417 | 11-9969 | 42,666 | 6415 | 9-1 | 20-5281 | 23-1102 |
| 41,685 | 6196 | 8-0 | 9-2312 | 7-2821 | 42,223 | 6299 | 8-8 | 11-7830 | 23-5262 | 42,677 | 6416 | 9-0 | 20-9645 | 21-0241 |
| 41,752 | 6198 | 9-2 | 10-1213 | 19-1690 | 42,191 | 6300 | 6-9 | 11-9305 | 16-2513 | 42,610 | 6417 | 8-6 | 21-0314 | 13-7740 |
| 41,736 | 6199 | 9-1 | 10-3682 | 15-9308 | 42,114 | 6301 | 9-2 | 13-3284 | 2-3475 | 42,634 | 6418 | 6-1 | 21-1133 | 16-9769 |
| 41,775 | 6204 | 8-9 | 12-6366 | 21-7427 | 42,224 | 6303 | 9-1 | 13-8283 | 23-0856 | 42,667 | 6423 | 8-8 | 22-6160 | 19-7770 |
| 41,744 | 6205 | 8-8 | 15-6017 | 16-9041 | 42,142 | 6305 | 7-1 | 14-8517 | 7-9601 | 42,704 | 6424 | 9-1 | 23-3885 | 23-9063 |
| 41,718 | 6208 | 9-3 | 16-6697 | 12-1867 | 42,157 | 6307 | 8-2 | 15-2739 | 11-4536 | 42,685 | 6425 | 8-9 | 23-5754 | 21-6619 |
| 41,758 | 6209 | 8-8 | 17-2002 | 19-4184 | 42,108 | 6308 | 6-9 | 15-3254 | 1-6542 | 42,626 | 6427 | 9-0 | 25-0281 | 15-9370 |
| 41,721 | 6211 | 8-5 | 17-8054 | 13-1065 | 42,109 | 6309 | 8-8 | 15-4223 | 1-7774 | | | | | |
| 41,740 | 6212 | 9-4 | 18-4394 | 16-9106 | 42,176 | 6311 | 9-4 | 15-8937 | 13-4088 | | | | | |
| 41,762 | 6214 | 8-9 | 18-8116 | 19-2305 | 42,227 | 6314 | 9-1 | 18-0151 | 23-1443 | | | | | |
| 41,719 | 6215 | 8-8 | 18-8515 | 11-8793 | 42,189 | 6316 | 8-9 | 18-9653 | 15-0890 | | | | | |
| 41,777 | 6217 | 8-9 | 19-5914 | 22-0012 | 42,242 | 6317 | 9-0 | 19-7624 | 25-6865 | 42,978 | 6424 | 9-1 | 0-8177 | 23-9171 |
| 41,672 | 6218 | 8-0 | 20-7823 | 3-7678 | 42,154 | 6318 | 8-9 | 19-9391 | 9-9512 | 42,956 | 6425 | 8-9 | 0-9792 | 21-6704 |
| 41,663 | 6220 | 9-1 | 21-6452 | 1-6667 | 42,122 | 6320 | 8-2 | 20-5601 | 4-1189 | 42,884 | 6427 | 9-0 | 2-3667 | 15-9290 |
| 41,714 | 6224 | 8-4 | 23-9264 | 11-4456 | 42,209 | 6321 | 8-7 | 21-5626 | 20-5890 | 42,841 | 6431 | 8-8 | 3-8328 | 9-6397 |
| 41,683 | 6225 | 7-8 | 24-0089 | 5-9171 | 42,155 | 6325 | 9-1 | 22-9031 | 9-7729 | 42,940 | 6433 | 9-2 | 5-3773 | 21-3703 |
| 41,803 | 6227 | 8-8 | 25-2131 | 25-7797 | 42,148 | 6326 | 9-0 | 23-4135 | 8-7956 | 42,959 | 6436 | 9-8 | 5-7279 | 21-5686 |
| 41,784 | 6228 | 8-7 | 25-5693 | 23-6287 | 42,139 | 6330 | 9-2 | 25-3946 | 7-2422 | 42,885 | 6437 | 9-0 | 5-9878 | 15-4178 |
| R.A. 15 ^h 0 ^m | | | | R.A. 15 ^h 16 ^m | | | | R.A. 15 ^h 32 ^m | | | | | | |
| 41,933 | 6224 | 8-4 | 1-2141 | 11-4505 | 42,319 | 6326 | 9-0 | 0-6710 | 8-8063 | 42,794 | 6438 | 8-9 | 6-0469 | 7-8250 |
| 41,891 | 6225 | 7-8 | 1-2337 | 5-9213 | 42,306 | 6330 | 9-2 | 2-6343 | 7-2310 | 42,804 | 6439 | 8-6 | 6-1804 | 5-6818 |
| 42,046 | 6227 | 8-8 | 2-6635 | 25-7685 | 42,359 | 6337 | 8-9 | 4-7249 | 13-2378 | 42,845 | 6440 | 9-3 | 6-7421 | 16-5203 |
| 42,028 | 6228 | 8-7 | 2-9952 | 23-6134 | 42,397 | 6339 | 9-0 | 5-4351 | 18-6228 | 42,764 | 6443 | 9-1 | 7-9756 | 10-2655 |
| 41,935 | 6234 | 9-2 | 4-7276 | 12-2857 | 42,421 | 6340 | 9-0 | 6-5583 | 20-1057 | 42,868 | 6456 | 9-0 | 9-6956 | 18-8346 |
| 41,858 | 6235 | 9-1 | 4-7457 | 1-6181 | 42,341 | 6341 | 7-9 | 6-5997 | 10-6615 | 42,857 | 6457 | 8-6 | 12-9466 | 11-9503 |
| 41,874 | 6242 | 9-1 | 10-9084 | 3-3668 | 42,375 | 6343 | 7-7 | 7-7020 | 15-2518 | 42,990 | 6461 | 8-7 | 14-4772 | 25-2428 |
| 41,903 | 6244 | 9-1 | 11-8872 | 15-5833 | 42,308 | 6347 | 8-6 | 11-0519 | 7-2922 | 42,928 | 6462 | 7-2 | 14-9193 | 19-9865 |
| 41,876 | 6245 | 8-9 | 12-0862 | 3-8394 | 42,292 | 6348 | 8-4 | 11-1888 | 4-5530 | 42,917 | 6464 | 8-8 | 15-1070 | 18-4415 |
| 42,016 | 6246 | 9-2 | 12-7844 | 21-7652 | 42,376 | 6356 | 8-9 | 15-1950 | 14-7299 | 42,772 | 6465 | 8-4 | 15-2570 | 2-4487 |
| 42,043 | 6248 | 8-2 | 13-2857 | 25-3230 | 42,309 | 6360 | 8-6 | 16-7236 | 6-8316 | 42,970 | 6467 | 8-5 | 15-6281 | 22-9729 |
| 41,939 | 6251 | 7-8 | 14-6023 | 12-8657 | 42,401 | 6361 | 8-6 | 17-1340 | 18-1665 | 42,860 | 6468 | 5-8 | 16-2650 | 12-6747 |
| 41,924 | 6252 | 9-0 | 14-6727 | 10-0590 | 42,402 | 6363 | 8-9 | 18-5512 | 17-7723 | 42,995 | 6472 | 8-0 | 16-5936 | 17-8610 |
| 41,925 | 6255 | 9-0 | 14-9819 | 9-5350 | 42,334 | 6367 | 9-2 | 19-9995 | 10-0225 | 42,758 | 6474 | 9-1 | 18-1227 | 0-8283 |
| 41,997 | 6257 | 9-2 | 15-6720 | 20-0504 | 42,393 | 6369 | 9-4 | 20-3379 | 17-5358 | 42,760 | 6475 | 9-1 | 18-1427 | 1-2113 |
| 42,023 | 6258 | 8-9 | 15-9803 | 22-7890 | 42,423 | 6370 | 8-1 | 20-7991 | 20-3229 | 42,974 | 6478 | 8-6 | 18-4302 | 22-6870 |
| 42,025 | 6259 | 8-5 | 17-4809 | 23-0493 | 42,336 | 6371 | 9-1 | 21-3901 | 9-8436 | 42,908 | 6479 | 8-3 | 18-8227 | 17-6710 |
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| 41,991 | 6264 | 9-1 | 20-3547 | 18-5897 | 42,277 | 6378 | 8-0 | 24-9047 | 2-9975 | 42,935 | 6486 | 9-2 | 21-6533 | 19-6632 |
| 41,931 | 6265 | 8-9 | 21-3828 | 11-1174 | 42,287 | 6380 | 9-3 | 25-5826 | 3-8762 | 42,812 | 6487 | 9-1 | 22-6851 | 6-9544 |
| 42,044 | 6271 | 9-0 | 22-3015 | 25-2664 | | | | | | 42,815 | 6489 | 9-0 | 24-4952 | 6-2601 |
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| 41,982 | 6275 | 9-5 | 22-9110 | 17-7045 | | | | | | 42,901 | 6492 | 4-5 | 24-8364 | 17-2896 |
| 41,865 | 6277 | 8-9 | 24-0047 | 1-2305 | | | | | | | | | | |
| 41,997 | 6281 | 9-1 | 25-0379 | 7-6440 | | | | | | | | | | |
| 41,995 | 6282 | 9-3 | 25-3883 | 18-0953 | | | | | | | | | | |
| R.A. 15 ^h 8 ^m | | | | R.A. 15 ^h 24 ^m | | | | R.A. 15 ^h 40 ^m | | | | | | |
| 42,199 | 6275 | 9-5 | 0-2697 | 17-7209 | 42,517 | 6378 | 8-0 | 2-0962 | 2-9920 | 43,115 | 6489 | 9-0 | 1-7240 | 6-2679 |
| 42,105 | 6277 | 8-9 | 1-1762 | 1-2349 | 42,530 | 6380 | 9-3 | 2-7840 | 3-8632 | 43,180 | 6490 | 8-6 | 2-1334 | 14-6955 |
| 42,140 | 6281 | 9-1 | 2-2822 | 7-6366 | 42,673 | 6383 | 7-3 | 4-7778 | 20-8762 | 43,192 | 6492 | 4-5 | 2-1904 | 17-2836 |
| 42,206 | 6282 | 9-3 | 2-7616 | 18-0829 | 42,536 | 6387 | 9-2 | 6-8681 | 3-8625 | 43,181 | 6497 | 9-0 | 3-3186 | 15-0380 |
| 42,171 | 6283 | 9-4 | 3-1915 | 13-2021 | 42,621 | 6388 | 9-3 | 7-3606 | 16-4474 | 43,228 | 6498 | 8-8 | 3-4810 | 19-5748 |
| 42,118 | 6286 | 9-0 | 5-3310 | 3-3328 | 42,652 | 6389 | 9-2 | 7-9419 | 19-5357 | 43,093 | 6499 | 7-7 | 4-1790 | 4-4577 |
| 42,201 | 6292 | 4-6 | 8-8095 | 17-9649 | 42,551 | 6395 | 8-2 | 10-1803 | 5-5063 | 43,281 | 6500 | 9-1 | 4-7381 | 24-1396 |
| 42,152 | 6293 | 7-0 | 8-7969 | 9-7450 | 42,606 | 6399 | 9-0 | 12-0813 | 13-7079 | 43,182 | 6502 | 9-0 | 5-4297 | 15-2088 |
| 42,202 | 6294 | 9-2 | 8-9893 | 18-0373 | 42,661 | 6400 | 9-0 | 13-6836 | 20-0963 | 43,216 | 6505 | 8-9 | 8-5832 | 18-6522 |
| 42,133 | 6296 | 9-0 | 10-3384 | 6-3002 | 42,662 | 6401 | 9-2 | 13-7371 | 20-5174 | 43,202 | 6507 | 8-9 | 8-9675 | 17-7546 |
| | | | | | 42,511 | 6402 | 9-0 | 13-7544 | 2-1285 | 43,261 | 6508 | 9-2 | 10-1327 | 21-8514 |
| | | | | | 42,564 | 6408 | 7-9 | 16-7936 | 6-9237 | 43,117 | 6511 | 9-2 | 10-5821 | 6-2128 |
| | | | | | 42,695 | 6409 | 7-0 | 18-5581 | 17-2163 | 43,145 | 6513 | 7-7 | 11-9875 | 10-5096 |
| | | | | | 42,632 | 6410 | 9-0 | 18-7924 | 2-7540 | | | | | |
| | | | | | 42,526 | 6412 | 8-7 | 19-4665 | | | | | | |

| Reference No. | | Mag. | Standard co-ordinates, 1900-0. | |
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| Hyd. | Algiers. | | ξ'. | η'. |
| R.A. 15 ^h 40 ^m (continued) | | | | |
| 43,188 | 6516 | 9-2 | 13-8101 | 15-9269 |
| 43,178 | 6517 | 8-9 | 14-1465 | 13-6393 |
| 43,195 | 6518 | 9-1 | 15-2646 | 16-6767 |
| 43,150 | 6519 | 8-8 | 16-4856 | 10-8698 |
| 43,075 | 6521 | 8-7 | 17-1495 | 2-9354 |
| 43,210 | 6525 | 8-8 | 18-8131 | 17-7207 |
| 43,237 | 6527 | 9-3 | 19-0108 | 19-5745 |
| 43,077 | 6530 | 8-4 | 20-4890 | 2-5686 |
| 43,222 | 6531 | 9-1 | 20-4777 | 18-6048 |
| 43,275 | 6532 | 9-2 | 21-1052 | 23-2590 |
| 43,158 | 6533 | 8-3 | 21-1788 | 11-9196 |
| 43,179 | 6535 | 9-0 | 21-5789 | 14-2875 |
| 43,225 | 6537 | 8-7 | 22-1552 | 19-1550 |
| 43,111 | 6539 | 7-9 | 22-5721 | 5-7846 |
| 43,209 | 6540 | 7-7 | 23-9479 | 24-7685 |
| 43,241 | 6544 | 9-1 | 25-2086 | 20-5469 |
| R.A. 15 ^h 48 ^m | | | | |
| 43,577 | 6540 | 7-7 | 0-4869 | 24-7832 |
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| 43,351 | 6548 | 9-2 | 4-0965 | 0-8502 |
| 43,390 | 6549 | 9-1 | 4-1804 | 5-9647 |
| 43,535 | 6551 | 8-9 | 5-3226 | 21-4788 |
| 43,416 | 6556 | 7-0 | 6-9652 | 8-6472 |
| 43,307 | 6558 | 7-1 | 8-8262 | 2-6403 |
| 43,583 | 6559 | 9-3 | 10-1523 | 24-9931 |
| 43,438 | 6560 | 9-2 | 11-2217 | 11-1045 |
| 43,558 | 6562 | 5-3 | 11-6639 | 23-4219 |
| 43,407 | 6563 | 8-7 | 11-7791 | 14-1944 |
| 43,585 | 6566 | 8-8 | 13-1710 | 25-2125 |
| 43,417 | 6567 | 7-0 | 13-4974 | 8-8484 |
| 43,469 | 6569 | 9-2 | 14-5753 | 14-1020 |
| 43,560 | 6573 | 8-9 | 16-4440 | 24-5102 |
| 43,470 | 6574 | 5-2 | 16-4715 | 14-0567 |
| 43,500 | 6577 | 9-2 | 18-0772 | 16-8373 |
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| 43,362 | 6581 | 9-0 | 19-9175 | 1-6426 |
| R.A. 15 ^h 56 ^m | | | | |
| 43,624 | 6593 | 9-3 | 3-3746 | 3-2779 |
| 43,698 | 6596 | 8-8 | 4-4181 | 16-0960 |
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| 43,711 | 6633 | 9-1 | 21-5295 | 17-5270 |
| 43,788 | 6634 | 8-8 | 21-5452 | 25-3910 |
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| 43,631 | 6637 | 6-8 | 22-3636 | 4-1985 |
| R.A. 15 ^h 56 ^m | | | | |
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| 43,713 | 6644 | 8-0 | 24-1396 | 17-9302 |
| 43,688 | 6649 | 8-7 | 25-5304 | 14-3125 |
| 43,731 | 6650 | 9-0 | 25-5857 | 19-1813 |
| R.A. 16 ^h 4 ^m | | | | |
| 43,896 | 6639 | 2-0 | 0-6157 | 19-4224 |
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| 43,882 | 6698 | 8-3 | 20-2054 | 16-8550 |
| 43,879 | 6700 | 8-2 | 21-2709 | 15-9536 |
| 43,836 | 6711 | 8-4 | 25-5678 | 7-9842 |
| R.A. 16 ^h 12 ^m | | | | |
| 44,000 | 6711 | 8-4 | 2-8159 | 7-9710 |
| 44,069 | 6713 | 9-1 | 4-0451 | 24-7824 |
| 43,980 | 6714 | 7-0 | 4-1164 | 4-3669 |
| 44,016 | 6715 | 9-3 | 4-1669 | 12-1471 |
| 44,071 | 6719 | 9-2 | 6-2997 | 24-8581 |
| 44,057 | 6721 | 8-6 | 7-3549 | 22-9058 |
| 43,988 | 6725 | 8-4 | 8-8694 | 5-1787 |
| 43,989 | 6726 | 9-0 | 9-7776 | 5-3545 |
| 44,058 | 6729 | 7-0 | 10-5731 | 23-2716 |
| 44,049 | 6736 | 8-9 | 15-1950 | 19-4797 |
| 44,074 | 6738 | 7-1 | 16-5818 | 24-6934 |
| 44,005 | 6741 | 6-9 | 18-0745 | 8-0332 |
| 44,009 | 6743 | 8-8 | 18-8109 | 8-5839 |
| 44,060 | 6744 | 8-5 | 19-2613 | 22-6453 |
| 44,061 | 6745 | 8-0 | 19-3277 | 22-7823 |
| 43,970 | 6746 | 8-3 | 19-9164 | 3-0654 |
| 44,062 | 6749 | 8-2 | 20-4841 | 23-5336 |
| 43,996 | 6750 | 7-9 | 20-6639 | 6-4091 |
| 44,052 | 6753 | 8-7 | 22-3407 | 21-4121 |
| 43,984 | 6755 | 9-1 | 24-6307 | 4-9969 |
| R.A. 16 ^h 20 ^m | | | | |
| 44,133 | 6755 | 9-1 | 1-8450 | 4-9944 |
| 44,149 | 6760 | 9-1 | 5-4071 | 7-2536 |
| 44,212 | 6762 | 5-0 | 8-0594 | 22-6490 |
| R.A. 16 ^h 20 ^m (continued) | | | | |
| 44,199 | 6766 | 9-3 | 10-6205 | 16-0697 |
| 44,206 | 6768 | 8-8 | 11-8592 | 20-2823 |
| 44,182 | 6770 | 8-7 | 15-4479 | 11-8518 |
| 44,124 | 6771 | 5-0 | 16-4952 | 3-7555 |
| 44,115 | 6776 | 8-8 | 24-0349 | 1-2563 |
| 44,144 | 6777 | 8-1 | 24-1017 | 6-4735 |
| 44,122 | 6779 | 8-9 | 26-2015 | 2-4587 |
| R.A. 16 ^h 28 ^m | | | | |
| 44,259 | 6776 | 8-8 | 1-2068 | 1-2605 |
| 44,282 | 6777 | 8-1 | 1-3328 | 6-4766 |
| 44,264 | 6779 | 8-9 | 3-3867 | 2-4392 |
| 44,343 | 6786 | 9-1 | 9-3150 | 23-3201 |
| 44,312 | 6787 | 9-0 | 9-6425 | 17-5359 |
| 44,339 | 6792 | 8-6 | 15-6113 | 21-7852 |
| 44,266 | 6793 | 8-9 | 16-0621 | 2-1273 |
| 44,349 | 6794 | 9-0 | 16-0710 | 24-0691 |
| 44,285 | 6796 | 8-4 | 17-8074 | 6-5947 |
| 44,357 | 6797 | 9-0 | 17-8900 | 25-5954 |
| 44,279 | 6798 | 8-8 | 19-4832 | 5-2449 |
| 44,301 | 6800 | 8-9 | 20-6515 | 13-8885 |
| 44,351 | 6801 | 9-1 | 20-6343 | 24-3543 |
| 44,315 | 6802 | 8-7 | 20-9228 | 17-7812 |
| 44,268 | 6806 | 8-6 | 23-7443 | 3-0495 |
| R.A. 16 ^h 36 ^m | | | | |
| 44,413 | 6806 | 8-9 | 0-9365 | 3-0568 |
| 44,401 | 6809 | 7-6 | 3-5161 | 1-2542 |
| 44,449 | 6810 | 7-2 | 3-7689 | 8-5246 |
| 44,429 | 6812 | 8-9 | 5-0417 | 4-9172 |
| 44,514 | 6816 | 9-1 | 9-1034 | 20-9194 |
| 44,489 | 6818 | 9-1 | 9-2621 | 16-1349 |
| 44,516 | 6820 | 5-9 | 13-0405 | 21-7965 |
| 44,454 | 6821 | 9-0 | 13-3816 | 9-9697 |
| 44,535 | 6823 | 8-7 | 14-0798 | 23-4438 |
| 44,542 | 6824 | 8-7 | 14-1372 | 24-9432 |
| 44,544 | 6825 | 8-6 | 14-4730 | 2-6647 |
| 44,422 | 6828 | 8-6 | 17-1477 | 4-2260 |
| 44,552 | 6830 | 9-2 | 17-7085 | 25-4492 |
| 44,409 | 6832 | 8-8 | 19-0327 | 0-8507 |
| 44,433 | 6833 | 7-2 | 19-4276 | 5-2494 |
| 44,521 | 6835 | 8-8 | 20-1698 | 20-9735 |
| 44,522 | 6839 | 9-3 | 21-8149 | 21-4945 |
| 44,436 | 6840 | 8-9 | 23-3860 | 4-6808 |
| 44,473 | 6841 | 7-4 | 23-3694 | 12-4568 |
| R.A. 16 ^h 44 ^m | | | | |
| 44,623 | 6840 | 8-9 | 0-5971 | 4-6920 |
| 44,667 | 6841 | 7-4 | 0-6685 | 12-4679 |
| 44,641 | 6844 | 8-6 | 3-9721 | 8-2872 |
| 44,776 | 6845 | 7-8 | 7-7029 | 24-0368 |
| 44,760 | 6848 | 8-7 | 7-0948 | 21-3537 |
| 44,699 | 6851 | 9-2 | 8-0172 | 15-3366 |
| 44,687 | 6855 | 8-3 | 9-2948 | 14-2017 |
| 44,778 | 6856 | 8-6 | 9-8852 | 23-6650 |
| 44,603 | 6859 | 8-7 | 10-5587 | 0-1477 |
| 44,724 | 6860 | 9-0 | 10-5942 | 18-1413 |
| 44,725 | 6861 | 9-0 | 10-6178 | 18-1502 |

| Reference No. | | | | | Reference No. | | | | | Reference No. | | | | |
|---|------|------|--------------------------------|---------|--|------|------|--------------------------------|---------|---|------|------|--------------------------------|---------|
| Hyd. | | Mag. | Standard co-ordinates, 1900-0. | | Hyd. | | Mag. | Standard co-ordinates, 1900-0. | | Hyd. | | Mag. | Standard co-ordinates, 1900-0. | |
| Algiers. | | | ξ. | η. | Algiers. | | | ξ. | η. | Algiers. | | | ξ. | η. |
| R.A. 16^h 44^m (continued) | | | | | R.A. 17^h 0^m (continued) | | | | | R.A. 17^h 16^m (continued) | | | | |
| 44,678 | 6864 | 8.2 | 11-2042 | 13-9754 | 45,316 | 6976 | 9.0 | 13-4492 | 20-8058 | 45,937 | 7078 | 8.9 | 5-6929 | 18-4591 |
| 44,647 | 6866 | 7.9 | 12-0408 | 10-0169 | 45,258 | 6980 | 9.2 | 15-8698 | 17-4749 | 45,872 | 7079 | 7.5 | 6-2654 | 11-2052 |
| 44,612 | 6867 | 8.6 | 12-9168 | 2-0314 | 45,342 | 6981 | 8.8 | 15-9276 | 22-7386 | 45,754 | 7080 | 8.5 | 6-5750 | 1-0253 |
| 44,604 | 6869 | 9.0 | 13-9453 | 0-4458 | 45,191 | 6982 | 8.7 | 16-4958 | 12-3428 | 45,962 | 7082 | 8.7 | 7-2220 | 19-8026 |
| 44,663 | 6871 | 9.0 | 15-7317 | 11-5439 | 45,260 | 6983 | 8.8 | 16-4874 | 17-4150 | 45,890 | 7084 | 9.0 | 7-3991 | 12-8552 |
| 44,751 | 6872 | 8.3 | 15-9533 | 20-9803 | 45,109 | 6984 | 8.3 | 16-7088 | 5-8418 | 45,964 | 7085 | 8.1 | 7-4433 | 20-2043 |
| 44,671 | 6875 | 7.7 | 16-7231 | 13-1838 | 45,231 | 6985 | 7.8 | 17-4545 | 14-8467 | 46,002 | 7086 | 7.5 | 7-6544 | 23-5203 |
| 44,672 | 6881 | 8.8 | 19-6971 | 12-9322 | 45,218 | 6987 | 8.1 | 18-3012 | 13-8660 | 45,881 | 7087 | 8.5 | 7-7228 | 11-8814 |
| 44,705 | 6882 | 8.1 | 20-0515 | 15-2573 | 45,111 | 6988 | 8.4 | 18-3877 | 6-1218 | 45,864 | 7089 | 8.7 | 8-4466 | 9-6498 |
| 44,743 | 6884 | 9.0 | 20-6512 | 19-4616 | 45,097 | 6990 | 9.1 | 19-5686 | 4-6773 | 45,918 | 7090 | 6.9 | 9-3175 | 15-7345 |
| 44,786 | 6885 | 8.8 | 21-5657 | 25-2073 | 45,321 | 6991 | 9.1 | 19-7278 | 21-0354 | 45,756 | 7098 | 8.9 | 11-2686 | 0-2229 |
| 44,708 | 6888 | 9.0 | 23-9218 | 15-9242 | 45,088 | 6992 | 8.6 | 20-0639 | 3-9681 | 45,757 | 7099 | 9.2 | 11-3666 | 0-3736 |
| 44,694 | 6890 | 8.2 | 24-4675 | 14-8662 | 45,068 | 6993 | 8.1 | 20-4783 | 1-4749 | 45,847 | 7103 | 8.9 | 12-2932 | 7-0983 |
| 44,652 | 6891 | 8.1 | 24-6590 | 9-9209 | 45,304 | 6995 | 8.9 | 21-4727 | 19-5720 | 46,029 | 7108 | 8.9 | 13-5504 | 24-7002 |
| 44,639 | 6892 | 8.6 | 24-8780 | 7-9738 | 45,395 | 6996 | 8.1 | 22-1040 | 19-6293 | 45,849 | 7110 | 8.8 | 14-4487 | 7-5437 |
| 44,711 | 6894 | 9.0 | 25-6101 | 15-4670 | 45,080 | 6997 | 8.4 | 22-3866 | 2-5401 | 45,891 | 7112 | 8.8 | 14-7662 | 13-0628 |
| R.A. 16^h 52^m | | | | | 45,203 | 6998 | 9.0 | 22-3844 | 12-4973 | 45,955 | 7114 | 8.0 | 14-9040 | 19-1754 |
| 44,928 | 6888 | 9.0 | 1-2604 | 15-9290 | 45,137 | 7000 | 9.0 | 23-8137 | 7-6214 | 45,771 | 7117 | 9.0 | 15-8578 | 2-0950 |
| 44,916 | 6890 | 8.2 | 1-7933 | 14-8047 | 45,264 | 7005 | 7.4 | 25-3532 | 16-7551 | 45,772 | 7120 | 8.9 | 16-7763 | 1-2492 |
| 44,871 | 6891 | 8.1 | 1-9293 | 9-9176 | 45,180 | 7006 | 8.9 | 25-6403 | 10-6302 | 45,775 | 7126 | 8.4 | 20-0550 | 1-4808 |
| 44,849 | 6892 | 8.6 | 2-1261 | 7-9682 | 45,361 | 7007 | 9.0 | 25-6743 | 24-1209 | 45,868 | 7127 | 8.8 | 20-4975 | 10-0622 |
| 44,930 | 6894 | 9.0 | 2-9432 | 15-4523 | R.A. 17^h 8^m | | | | | 45,820 | 7129 | 6.3 | 20-8634 | 5-2494 |
| 44,872 | 6900 | 7.4 | 5-2098 | 9-6747 | 45,501 | 7000 | 9.0 | 1-0578 | 7-6278 | 45,866 | 7131 | 8.8 | 21-5220 | 10-2142 |
| 44,939 | 6902 | 8.7 | 5-7433 | 16-3611 | 45,612 | 7005 | 7.4 | 2-7010 | 16-7434 | 46,035 | 7134 | 8.7 | 22-1640 | 25-2055 |
| 44,940 | 6903 | 8.4 | 5-9864 | 17-3253 | 45,540 | 7006 | 8.9 | 2-9245 | 10-6159 | 45,805 | 7137 | 8.3 | 22-9655 | 3-3114 |
| 45,000 | 6905 | 8.4 | 6-6079 | 24-3062 | 45,690 | 7007 | 9.0 | 3-1058 | 24-1044 | 45,983 | 7138 | 8.4 | 23-1168 | 20-8249 |
| 44,805 | 6907 | 8.4 | 9-5933 | 0-6790 | 45,620 | 7008 | 9.1 | 3-1656 | 17-6345 | 45,921 | 7143 | 8.7 | 24-1032 | 15-4920 |
| 44,954 | 6910 | 7.0 | 10-7072 | 17-5811 | 45,520 | 7010 | 9.0 | 3-9928 | 8-5715 | 45,948 | 7146 | 9.1 | 25-7320 | 18-1906 |
| 44,987 | 6911 | 9.0 | 11-7993 | 21-7505 | 45,560 | 7011 | 9.0 | 4-6173 | 12-8346 | R.A. 17^h 24^m | | | | |
| 44,811 | 6913 | 9.1 | 12-5666 | 1-3110 | 45,417 | 7014 | 9.3 | 5-2223 | 1-4132 | 46,287 | 7138 | 8.4 | 0-5110 | 20-8388 |
| 44,983 | 6915 | 8.3 | 13-0085 | 20-6186 | 45,531 | 7017 | 9.0 | 5-6135 | 9-9981 | 46,251 | 7143 | 8.7 | 1-4368 | 15-4946 |
| 44,910 | 6919 | 9.0 | 14-0264 | 13-8783 | 45,486 | 7021 | 9.0 | 5-8085 | 6-6161 | 46,265 | 7146 | 9.1 | 3-0961 | 18-1742 |
| 44,826 | 6921 | 8.7 | 15-0515 | 3-5385 | 45,446 | 7023 | 8.5 | 6-4812 | 3-6376 | 46,312 | 7150 | 9.0 | 4-2007 | 23-8205 |
| 44,933 | 6922 | 8.5 | 15-1337 | 16-0002 | 45,541 | 7026 | 9.0 | 8-5540 | 10-4169 | 46,216 | 7151 | 9.0 | 4-9572 | 11-8781 |
| 45,006 | 6924 | 8.9 | 15-4636 | 24-7767 | 45,653 | 7027 | 9.0 | 8-9301 | 20-9153 | 46,152 | 7154 | 8.3 | 6-5322 | 4-1165 |
| 44,934 | 6926 | 8.7 | 16-9599 | 16-3171 | 45,476 | 7028 | 8.2 | 9-0032 | 6-0090 | 46,246 | 7155 | 8.5 | 6-8340 | 14-0560 |
| 44,997 | 6927 | 9.2 | 17-2076 | 23-0575 | 45,422 | 7029 | 8.8 | 9-1670 | 1-1850 | 46,185 | 7160 | 8.5 | 9-4033 | 3-5682 |
| 44,867 | 6928 | 8.6 | 17-4423 | 8-4208 | 45,477 | 7031 | 8.8 | 9-6647 | 6-2094 | 46,146 | 7163 | 9.0 | 11-2497 | 7-9966 |
| 44,818 | 6931 | 6.2 | 18-4655 | 2-1185 | 45,577 | 7033 | 8.8 | 10-6025 | 13-6671 | 46,186 | 7164 | 8.8 | 11-8661 | 7-9956 |
| 44,854 | 6934 | 9.0 | 19-6809 | 7-4502 | 45,524 | 7036 | 8.8 | 11-6752 | 8-4713 | 46,268 | 7165 | 8.0 | 12-5095 | 17-7165 |
| 44,813 | 6936 | 8.3 | 19-8876 | 1-7740 | 45,664 | 7037 | 9.0 | 11-7552 | 22-7058 | 46,239 | 7167 | 8.7 | 15-0058 | 18-7599 |
| 44,809 | 6937 | 8.3 | 19-9457 | 13-2338 | 45,478 | 7038 | 8.4 | 12-3406 | 6-0056 | 46,235 | 7168 | 8.2 | 15-2503 | 13-4286 |
| 44,887 | 6943 | 8.4 | 23-1041 | 10-4860 | 45,627 | 7039 | 9.1 | 12-3653 | 18-1495 | 46,109 | 7175 | 8.8 | 17-6856 | 1-0373 |
| 44,876 | 6946 | 6.0 | 24-3740 | 9-8971 | 45,543 | 7040 | 8.1 | 12-4801 | 11-2091 | 46,262 | 7182 | 8.9 | 22-4945 | 16-6899 |
| 44,913 | 6949 | 9.0 | 24-9012 | 13-7099 | 45,434 | 7042 | 8.2 | 13-2177 | 2-2015 | 46,112 | 7185 | 8.8 | 22-9396 | 0-6757 |
| R.A. 17^h 0^m | | | | | 45,591 | 7043 | 9.0 | 13-7284 | 14-7724 | 46,162 | 7188 | 7.8 | 23-2515 | 4-2438 |
| 45,165 | 6943 | 8.4 | 0-3808 | 10-5000 | 45,492 | 7045 | 8.9 | 14-7100 | 6-3348 | 46,239 | 7189 | 9.0 | 23-5313 | 13-8821 |
| 45,153 | 6946 | 6.0 | 1-6440 | 9-8971 | 45,665 | 7047 | 8.4 | 15-7810 | 21-9746 | 46,307 | 7190 | 8.9 | 23-7860 | 23-1062 |
| 45,207 | 6949 | 9.0 | 2-2154 | 13-7846 | 45,620 | 7050 | 8.9 | 16-1655 | 18-1209 | 46,329 | 7191 | 8.8 | 24-1127 | 26-0194 |
| 45,363 | 6952 | 8.2 | 5-6755 | 24-9865 | 45,427 | 7054 | 8.5 | 18-3746 | 1-8092 | 46,209 | 7194 | 8.2 | 25-0805 | 14-2970 |
| 45,247 | 6953 | 7.9 | 5-7637 | 17-1861 | 45,557 | 7057 | 9.1 | 19-6308 | 12-1090 | 46,332 | 7195 | 9.1 | 25-5685 | 9-5202 |
| 45,353 | 6954 | 8.6 | 6-0816 | 24-3283 | 45,607 | 7059 | 9.0 | 19-9932 | 16-5295 | 46,320 | 7196 | 8.8 | 25-5845 | 25-4506 |
| 45,249 | 6957 | 9.0 | 6-5515 | 16-8440 | 45,608 | 7060 | 8.2 | 20-3417 | 15-7103 | R.A. 17^h 32^m | | | | |
| 45,169 | 6959 | 8.6 | 6-6851 | 10-4322 | 45,484 | 7061 | 9.0 | 20-6538 | 5-8332 | 46,450 | 7188 | 7.8 | 0-4573 | 4-2563 |
| 45,116 | 6965 | 9.1 | 8-7436 | 7-1886 | 45,428 | 7062 | 8.6 | 21-2213 | 1-3135 | 46,585 | 7189 | 9.0 | 0-8465 | 13-8821 |
| 45,053 | 6966 | 8.3 | 9-0715 | 0-9862 | 45,565 | 7065 | 8.8 | 23-0474 | 13-0963 | 46,668 | 7190 | 8.9 | 1-2072 | 23-2022 |
| 45,093 | 6969 | 8.5 | 9-7553 | 5-0542 | R.A. 17^h 16^m | | | | | | | | | |
| 45,368 | 6972 | 8.1 | 11-1782 | 25-6382 | 45,888 | 7065 | 8.8 | 0-3538 | 13-1111 | | | | | |
| 45,054 | 6975 | 8.3 | 12-9424 | 0-7461 | 45,907 | 7073 | 8.9 | 0-3590 | 14-7628 | | | | | |

| Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | |
|--|----------|------|--------------------------------|---------|--|----------|------|--------------------------------|---------|--|----------|------|--------------------------------|---------|
| Hyd. | Algiers. | | ℓ. | η. | Hyd. | Algiers. | | ℓ. | η. | Hyd. | Algiers. | | ℓ. | η. |
| R.A. 17 ^h 32 ^m (continued) | | | | | R.A. 17 ^h 48 ^m (continued) | | | | | R.A. 17 ^h 56 ^m (continued) | | | | |
| 46,706 | 7191 | 8.8 | 1-5660 | 26-0212 | 47,217 | 7314 | 8.5 | 6-6960 | 9-3805 | 47,928 | 7406 | 9.0 | 10-9506 | 21-2906 |
| 46,586 | 7194 | 8.2 | 2-4005 | 14-2886 | 47,473 | 7315 | 8.4 | 6-8204 | 21-9953 | 47,800 | 7410 | 7.5 | 12-9324 | 14-2470 |
| 46,530 | 7195 | 9.1 | 2-8342 | 9-5158 | 47,447 | 7317 | 6.9 | 7-0495 | 18-9625 | 47,930 | 7411 | 9.3 | 13-0579 | 21-1817 |
| 46,604 | 7196 | 8.8 | 3-0312 | 25-4349 | 47,514 | 7321 | 8.2 | 8-0049 | 25-6359 | 47,570 | 7418 | 9.0 | 16-2779 | 1-8654 |
| 46,600 | 7197 | 9.1 | 3-3120 | 14-8450 | 47,474 | 7323 | 9.0 | 8-2498 | 22-1517 | 47,557 | 7423 | 8.8 | 16-7939 | 0-7368 |
| 46,494 | 7198 | 7.0 | 3-6178 | 2-8483 | 47,346 | 7324 | 7.5 | 8-5481 | 14-1457 | 47,574 | 7427 | 8.8 | 18-2511 | 1-5721 |
| 46,432 | 7201 | 8.9 | 4-6473 | 3-2353 | 47,118 | 7326 | 7.7 | 8-8429 | 1-7818 | 47,769 | 7428 | 9.0 | 18-3456 | 11-6013 |
| 46,482 | 7202 | 9.1 | 4-9659 | 4-1320 | 47,416 | 7327 | 9.1 | 9-4770 | 17-2692 | 47,634 | 7430 | 8.8 | 18-4752 | 4-6667 |
| 46,434 | 7205 | 8.5 | 5-8282 | 3-1535 | 47,239 | 7332 | 8.3 | 11-5270 | 11-2373 | 47,839 | 7430 | 8.8 | 18-5439 | 15-6578 |
| 46,670 | 7207 | 8.6 | 6-3225 | 22-9854 | 47,489 | 7334 | 8.0 | 12-5955 | 23-3788 | 47,688 | 7432 | 8.6 | 18-8792 | 7-4453 |
| 46,494 | 7212 | 8.9 | 7-5725 | 7-9189 | 47,168 | 7335 | 8.9 | 14-1508 | 6-3114 | 47,865 | 7433 | 8.6 | 18-9559 | 18-5495 |
| 46,609 | 7217 | 8.2 | 9-2921 | 25-1519 | 47,440 | 7336 | 8.9 | 14-2156 | 18-1625 | 47,905 | 7434 | 9.1 | 18-9982 | 20-4796 |
| 46,414 | 7220 | 8.6 | 10-4574 | 2-4487 | 47,391 | 7338 | 9.0 | 14-7931 | 12-6005 | 47,975 | 7436 | 8.4 | 19-0610 | 22-7630 |
| 46,503 | 7221 | 7.3 | 10-6054 | 12-1301 | 47,155 | 7341 | 8.3 | 16-5427 | 4-2793 | 47,807 | 7444 | 8.7 | 21-2345 | 13-5622 |
| 46,702 | 7221 | 9.0 | 11-8909 | 24-9105 | 47,403 | 7342 | 8.6 | 17-0713 | 16-2939 | 47,854 | 7446 | 9.0 | 22-2254 | 17-5155 |
| 46,685 | 7231 | 7.8 | 13-6103 | 23-0730 | 47,480 | 7344 | 8.9 | 17-0857 | 22-6378 | 47,913 | 7447 | 8.9 | 22-2851 | 20-1082 |
| 46,419 | 7236 | 8.8 | 15-5873 | 2-4487 | 47,145 | 7345 | 8.9 | 18-0067 | 3-2348 | 47,960 | 7450 | 7.2 | 23-2569 | 22-1543 |
| 46,648 | 7237 | 8.5 | 15-6880 | 18-7594 | 47,395 | 7346 | 9.0 | 18-6441 | 12-9470 | 48,008 | 7451 | 9.1 | 23-4787 | 24-7314 |
| 46,473 | 7239 | 8.7 | 17-1076 | 5-2555 | 47,241 | 7347 | 6.2 | 18-7762 | 10-4219 | 47,937 | 7453 | 8.7 | 24-3298 | 21-6375 |
| 46,421 | 7241 | 8.7 | 19-8465 | 3-1062 | 47,353 | 7349 | 9.1 | 19-5728 | 13-4975 | 47,887 | 7454 | 8.8 | 24-3576 | 18-6580 |
| 46,398 | 7243 | 8.6 | 21-2220 | 1-3835 | 47,173 | 7355 | 9.0 | 21-2818 | 6-8037 | 48,010 | 7455 | 8.9 | 24-4213 | 24-5654 |
| 46,689 | 7245 | 8.5 | 21-5269 | 24-0822 | 47,425 | 7356 | 8.7 | 21-4824 | 16-8580 | 47,918 | 7460 | 8.9 | 25-4128 | 19-8293 |
| 46,649 | 7246 | 9.1 | 22-0843 | 18-7701 | 47,280 | 7357 | 9.1 | 21-7165 | 12-2949 | | | | | |
| 46,399 | 7248 | 9.0 | 22-3655 | 2-1589 | 47,150 | 7359 | 8.9 | 22-8354 | 3-2894 | R.A. 18 ^h 4 ^m | | | | |
| 46,642 | 7249 | 8.2 | 22-6026 | 17-8677 | 47,127 | 7360 | 8.6 | 22-9083 | 1-5777 | 49,042 | 7450 | 7.2 | 0-6663 | 22-1665 |
| 46,507 | 7250 | 8.7 | 22-8024 | 8-0827 | 47,505 | 7361 | 8.2 | 22-9325 | 24-2519 | 49,130 | 7451 | 9.1 | 0-9173 | 24-7411 |
| 46,610 | 7253 | 9.1 | 24-0208 | 15-5266 | 47,208 | 7362 | 8.8 | 23-1914 | 9-0572 | 49,045 | 7453 | 8.7 | 1-7333 | 21-6371 |
| 46,632 | 7257 | 8.8 | 25-7280 | 17-2683 | 47,495 | 7363 | 8.3 | 23-2812 | 23-5483 | 48,947 | 7454 | 8.8 | 1-7272 | 18-6575 |
| | | | | | 47,396 | 7366 | 9.2 | 23-5862 | 14-5573 | 49,132 | 7455 | 8.9 | 1-8580 | 24-5639 |
| | | | | | 47,444 | 7367 | 8.9 | 23-8509 | 18-2812 | 48,981 | 7460 | 8.9 | 2-7956 | 19-8164 |
| | | | | | 47,151 | 7371 | 9.3 | 25-1867 | 3-9874 | 48,917 | 7463 | 8.7 | 3-4291 | 13-9377 |
| | | | | | 47,412 | 7372 | 8.7 | 25-1350 | 16-1544 | 48,589 | 7467 | 7.3 | 3-9860 | 12-9400 |
| | | | | | 47,158 | 7373 | 8.7 | 25-5792 | 2-9768 | 48,590 | 7469 | 9.0 | 4-2809 | 10-8366 |
| | | | | | 47,414 | 7374 | 8.9 | 25-5162 | 15-6730 | 48,894 | 7470 | 8.9 | 4-6099 | 17-6908 |
| | | | | | | | | | | 48,093 | 7479 | 9.1 | 6-8028 | 1-4607 |
| | | | | | | | | | | 48,460 | 7481 | 8.6 | 8-2107 | 10-5849 |
| | | | | | | | | | | 48,592 | 7482 | 9.0 | 8-6330 | 12-3338 |
| | | | | | | | | | | 48,597 | 7484 | 9.0 | 8-7593 | 24-5171 |
| | | | | | | | | | | 49,107 | 7485 | 8.7 | 8-8359 | 23-5926 |
| | | | | | | | | | | 49,108 | 7485 | 8.7 | 10-0948 | 0-8368 |
| | | | | | | | | | | 49,063 | 7492 | 8.7 | 10-6004 | 23-6821 |
| | | | | | | | | | | 49,109 | 7495 | 8.1 | 10-8094 | 23-8655 |
| | | | | | | | | | | 49,112 | 7497 | 9.1 | 11-1442 | 21-8714 |
| | | | | | | | | | | 49,048 | 7498 | 8.9 | 11-4958 | 25-6083 |
| | | | | | | | | | | 49,167 | 7500 | 8.4 | 12-1660 | 17-4823 |
| | | | | | | | | | | 48,907 | 7502 | 8.8 | 14-2406 | 9-1287 |
| | | | | | | | | | | 48,379 | 7507 | 9.5 | 14-2844 | 3-5525 |
| | | | | | | | | | | 48,168 | 7508 | 8.7 | 15-0022 | 9-6220 |
| | | | | | | | | | | 48,425 | 7511 | 8.9 | 15-0986 | 15-2298 |
| | | | | | | | | | | 48,734 | 7512 | 8.9 | 15-1026 | 16-8162 |
| | | | | | | | | | | 48,847 | 7513 | 9.0 | 15-4441 | 0-2454 |
| | | | | | | | | | | 48,071 | 7515 | 8.9 | 15-9359 | 11-6675 |
| | | | | | | | | | | 48,535 | 7517 | 9.1 | 16-3440 | 7-8018 |
| | | | | | | | | | | 48,350 | 7519 | 8.1 | 16-7230 | 23-3424 |
| | | | | | | | | | | 49,085 | 7521 | 7.2 | 16-9999 | 18-5165 |
| | | | | | | | | | | 49,857 | 7522 | 8.7 | 18-3251 | 13-7951 |
| | | | | | | | | | | 48,674 | 7524 | 8.9 | 18-6800 | 13-9554 |
| | | | | | | | | | | 48,675 | 7528 | 8.8 | 18-8191 | 9-3484 |
| | | | | | | | | | | 48,435 | 7529 | 9.1 | 19-6240 | 6-4471 |
| | | | | | | | | | | 48,307 | 7531 | 9.2 | 19-6668 | 18-4770 |
| | | | | | | | | | | 48,234 | 7532 | 7.5 | 20-4173 | 11-6286 |
| | | | | | | | | | | 48,552 | 7533 | 9.0 | 20-6875 | 6-0671 |
| | | | | | | | | | | 48,258 | 7535 | 8.9 | | |

| Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | |
|---|----------|------|-----------------------------------|---------|--|----------|------|-----------------------------------|---------|--|----------|------|-----------------------------------|---------|
| Hyd. | Algiers. | | ξ. | η. | Hyd. | Algiers. | | ξ. | η. | Hyd. | Algiers. | | ξ. | η. |
| R.A. 18 ^h 4 ^m (continued) | | | | | R.A. 18 ^h 12 ^m (continued) | | | | | R.A. 18 ^h 28 ^m (continued) | | | | |
| 48,928 | 7537 | 9.1 | 20-8337 | 18-2431 | 50,501 | 7635 | 8.6 | 20-2133 | 23-6416 | 51,138 | 7738 | 8.3 | 5-9820 | 4-9913 |
| 49,060 | 7539 | 8.0 | 21-5051 | 22-2523 | 50,528 | 7637 | 8.9 | 21-2825 | 24-7154 | 51,160 | 7739 | 6.5 | 6-1111 | 6-6653 |
| 48,797 | 7540 | 9.0 | 21-8367 | 16-1398 | 50,402 | 7638 | 8.2 | 21-7609 | 21-4341 | 51,203 | 7741 | 8.6 | 6-5877 | 1-9045 |
| 48,221 | 7541 | 9.0 | 22-1027 | 5-0605 | 49,982 | 7642 | 6.0 | 22-9357 | 11-8786 | 51,209 | 7742 | 9.3 | 6-9383 | 14-9273 |
| 48,934 | 7546 | 9.6 | 22-8248 | 17-8681 | 50,270 | 7643 | 8.6 | 22-9853 | 16-8155 | 51,229 | 7745 | 9.0 | 7-5826 | 12-8581 |
| 48,872 | 7547 | 8.8 | 23-4312 | 16-8401 | 49,666 | 7645 | 8.7 | 23-5340 | 6-7031 | 51,331 | 7749 | 8.6 | 8-2100 | 17-1641 |
| 48,499 | 7548 | 9.2 | 23-6083 | 10-8532 | 49,666 | 7645 | 8.7 | 23-5340 | 6-7031 | 51,307 | 7753 | 8.4 | 8-0659 | 19-2807 |
| 48,278 | 7551 | 8.2 | 23-7760 | 6-0009 | 49,733 | 7646 | 8.7 | 23-8435 | 7-8000 | 51,397 | 7754 | 9.2 | 9-0001 | 6-1304 |
| 48,633 | 7553 | 8.8 | 24-2538 | 13-2244 | 49,255 | 7647 | 8.8 | 24-0695 | 0-3448 | 51,419 | 7759 | 7.6 | 9-9327 | 13-5373 |
| 48,506 | 7555 | 9.3 | 24-7307 | 10-5200 | | | | | | 51,150 | 7759 | 7.7 | 11-0411 | 6-2078 |
| 48,812 | 7556 | 9.3 | 24-9509 | 15-7416 | | | | | | 51,443 | 7764 | 9.0 | 12-1547 | 24-0264 |
| R.A. 18 ^h 12 ^m | | | | | R.A. 18 ^h 20 ^m | | | | | R.A. 18 ^h 36 ^m | | | | |
| 50,235 | 7547 | 8.8 | 0-7801 | 16-8504 | 50,761 | 7642 | 6.0 | 0-2282 | 11-8046 | 51,432 | 7772 | 7.2 | 14-1072 | 23-3263 |
| 49,864 | 7548 | 9.2 | 0-8892 | 10-8617 | 50,844 | 7643 | 8.6 | 0-3330 | 16-8309 | 51,151 | 7773 | 8.8 | 17-7946 | 5-8932 |
| 49,519 | 7551 | 8.2 | 1-0026 | 6-0077 | 50,701 | 7645 | 8.7 | 0-7677 | 6-7125 | 51,383 | 7775 | 8.9 | 16-0315 | 20-3170 |
| 49,988 | 7553 | 8.8 | 1-5617 | 13-2255 | 50,602 | 7647 | 8.8 | 1-2309 | 0-3485 | 51,336 | 7781 | 6.8 | 17-2205 | 17-1630 |
| 49,869 | 7555 | 9.3 | 2-0070 | 10-5249 | 50,737 | 7659 | 8.9 | 4-2228 | 10-2218 | 51,371 | 7784 | 8.9 | 17-5220 | 18-0351 |
| 50,187 | 7556 | 9.3 | 2-2873 | 15-7344 | 50,816 | 7660 | 9.0 | 4-2614 | 15-5657 | 51,178 | 7785 | 8.3 | 17-9637 | 8-5643 |
| 49,997 | 7558 | 9.5 | 3-1648 | 12-5045 | 50,949 | 7661 | 8.7 | 4-4991 | 22-7845 | 51,383 | 7786 | 8.3 | 18-1637 | 20-6037 |
| 49,379 | 7559 | 8.5 | 3-2258 | 3-1648 | 50,924 | 7665 | 9.1 | 5-4331 | 22-0471 | 51,448 | 7787 | 8.7 | 19-5305 | 24-0560 |
| 49,205 | 7561 | 9.1 | 3-2175 | 0-7883 | 50,864 | 7671 | 7.5 | 7-7707 | 18-3480 | 51,399 | 7788 | 9.4 | 19-6476 | 17-1180 |
| 49,443 | 7562 | 8.9 | 3-3147 | 4-6412 | 50,895 | 7672 | 8.1 | 8-0330 | 20-5450 | 51,407 | 7789 | 8.8 | 20-3928 | 21-5387 |
| 50,078 | 7564 | 8.2 | 3-5845 | 14-0376 | 50,952 | 7675 | 8.2 | 8-3814 | 23-3127 | 51,204 | 7790 | 8.2 | 20-5875 | 11-4332 |
| 49,878 | 7567 | 8.2 | 4-0912 | 10-7610 | 50,644 | 7676 | 8.9 | 8-7095 | 23-7403 | 51,341 | 7795 | 9.0 | 21-7022 | 17-1027 |
| 50,109 | 7568 | 9.3 | 4-4667 | 16-1047 | 50,931 | 7678 | 8.0 | 9-3854 | 22-4283 | 51,313 | 7796 | 8.3 | 21-7320 | 15-0831 |
| 50,201 | 7571 | 9.0 | 4-8448 | 15-8602 | 50,607 | 7679 | 9.2 | 9-4114 | 0-6297 | 51,437 | 7797 | 8.9 | 21-6070 | 23-3482 |
| 49,676 | 7572 | 8.1 | 4-8627 | 7-9584 | 50,671 | 7680 | 9.0 | 9-7282 | 5-0020 | 51,345 | 7798 | 7.2 | 22-1350 | 16-5200 |
| 50,011 | 7575 | 8.0 | 5-6002 | 13-2847 | 50,741 | 7681 | 9.0 | 9-7494 | 10-4716 | 51,110 | 7799 | 9.1 | 22-3042 | 1-1310 |
| 50,489 | 7576 | 8.0 | 5-7582 | 24-6047 | 50,715 | 7683 | 7.9 | 10-5271 | 8-1037 | 51,374 | 7803 | 8.3 | 23-0708 | 10-1200 |
| 49,527 | 7578 | 8.7 | 6-1585 | 5-6637 | 50,672 | 7684 | 8.7 | 10-8664 | 4-9747 | 51,410 | 7809 | 8.5 | 24-1883 | 21-2702 |
| 49,824 | 7579 | 6.5 | 6-2818 | 9-3158 | 50,802 | 7686 | 8.9 | 11-2378 | 14-3081 | 51,165 | 7812 | 8.6 | 25-5735 | 6-6645 |
| 50,327 | 7580 | 8.6 | 6-5162 | 19-1299 | 50,716 | 7690 | 8.8 | 13-9327 | 8-1451 | R.A. 18 ^h 36 ^m | | | | |
| 50,455 | 7581 | 8.9 | 6-7067 | 23-4437 | 50,646 | 7692 | 8.5 | 14-0903 | 2-7237 | 51,762 | 7803 | 8.3 | 0-4450 | 19-1355 |
| 50,020 | 7582 | 9.2 | 7-0051 | 12-3163 | 50,721 | 7696 | 8.6 | 16-1032 | 9-0760 | 51,804 | 7809 | 8.5 | 1-5875 | 21-2715 |
| 49,384 | 7583 | 9.5 | 7-2262 | 3-6001 | 50,725 | 7697 | 9.5 | 16-1403 | 8-6356 | 51,593 | 7812 | 8.6 | 2-0856 | 6-0405 |
| 49,611 | 7584 | 8.9 | 7-4489 | 6-5870 | 50,692 | 7698 | 9.1 | 16-1700 | 5-7510 | 51,780 | 7813 | 8.9 | 3-8824 | 20-4679 |
| 49,449 | 7585 | 8.0 | 7-5114 | 4-2740 | 50,717 | 7699 | 8.7 | 16-2794 | 7-6275 | 51,658 | 7814 | 9.3 | 4-0148 | 11-4558 |
| 49,897 | 7587 | 8.6 | 8-2273 | 10-9794 | 50,787 | 7700 | 8.3 | 16-7275 | 13-1552 | 51,792 | 7817 | 8.4 | 4-5026 | 15-3243 |
| 50,031 | 7588 | 8.7 | 8-8550 | 13-0706 | 50,693 | 7702 | 8.7 | 17-0578 | 6-2105 | 51,632 | 7823 | 8.9 | 6-2206 | 10-1351 |
| 49,902 | 7590 | 8.6 | 9-4447 | 11-0769 | 50,969 | 7704 | 8.9 | 18-5338 | 25-0361 | 51,792 | 7817 | 8.4 | 4-5026 | 15-3243 |
| 49,696 | 7591 | 9.0 | 10-0170 | 8-0104 | 50,809 | 7706 | 8.9 | 18-9083 | 14-5768 | 51,632 | 7823 | 8.9 | 6-2206 | 10-1351 |
| 49,222 | 7592 | 8.6 | 10-2706 | 0-7185 | 50,884 | 7713 | 8.6 | 19-3502 | 19-2392 | 51,811 | 7835 | 9.0 | 10-6641 | 20-6865 |
| 50,937 | 7593 | 7.8 | 10-4136 | 13-0274 | 50,901 | 7714 | 8.5 | 19-6720 | 19-8360 | 51,832 | 7836 | 9.1 | 11-0320 | 21-6665 |
| 50,108 | 7594 | 8.2 | 10-4526 | 14-3200 | 50,718 | 7719 | 8.9 | 21-3183 | 7-8530 | 51,785 | 7837 | 8.9 | 11-0894 | 10-6718 |
| 50,332 | 7596 | 8.3 | 11-6880 | 19-2703 | 50,840 | 7720 | 8.6 | 21-4650 | 16-7266 | 51,650 | 7838 | 9.1 | 12-3385 | 10-7901 |
| 49,627 | 7598 | 7.5 | 11-8885 | 6-9854 | 50,810 | 7722 | 8.5 | 22-0504 | 14-5020 | 51,519 | 7839 | 8.8 | 12-3336 | 1-0752 |
| 50,394 | 7600 | 8.2 | 12-2864 | 21-4988 | 50,918 | 7725 | 8.7 | 23-7245 | 21-0710 | 51,676 | 7840 | 9.3 | 12-3902 | 13-1714 |
| 49,848 | 7605 | 8.5 | 13-2737 | 9-8687 | 50,906 | 7727 | 8.9 | 24-2972 | 19-9165 | 51,749 | 7841 | 9.2 | 12-9104 | 18-2134 |
| 50,161 | 7606 | 8.9 | 13-3868 | 14-8847 | 50,751 | 7728 | 6.9 | 25-2662 | 10-5419 | 51,923 | 7843 | 9.0 | 13-0244 | 25-7141 |
| 49,918 | 7607 | 9.0 | 13-4070 | 10-5911 | 50,874 | 7729 | 8.8 | 25-6383 | 18-2400 | 51,706 | 7844 | 8.8 | 13-2186 | 15-3950 |
| 49,636 | 7610 | 8.0 | 14-4542 | 7-1593 | R.A. 18 ^h 28 ^m | | | | | 51,837 | 7848 | 9.3 | 14-2927 | 22-2036 |
| 49,785 | 7613 | 7.7 | 15-1122 | 8-8666 | 51,392 | 7725 | 8.7 | 1-1216 | 21-0788 | 51,509 | 7851 | 9.2 | 14-6913 | 0-3755 |
| 49,786 | 7614 | 8.6 | 15-4573 | 8-8614 | 51,376 | 7727 | 8.9 | 1-6811 | 19-9167 | 51,751 | 7853 | 6.4 | 15-0027 | 17-5653 |
| 49,479 | 7616 | 9.0 | 15-6396 | 4-9687 | 51,197 | 7728 | 6.9 | 2-5434 | 10-5317 | 51,561 | 7856 | 8.8 | 16-7458 | 4-0932 |
| 49,409 | 7617 | 8.3 | 15-6486 | 3-5298 | 51,349 | 7729 | 8.8 | 3-0030 | 18-2247 | 51,673 | 7858 | 9.0 | 17-0040 | 16-8088 |
| 50,338 | 7619 | 9.0 | 16-1095 | 18-9493 | 51,224 | 7733 | 9.8 | 4-8585 | 12-3869 | 51,901 | 7863 | 8.5 | 18-6841 | 24-8941 |
| 49,721 | 7620 | 8.0 | 16-2264 | 7-5712 | 51,225 | 7734 | 7.5 | 5-6777 | 12-6754 | 51,590 | 7864 | 9.2 | 18-9938 | 6-3106 |
| 49,416 | 7623 | 9.0 | 17-5473 | 4-1188 | 51,291 | 7737 | 8.3 | 5-9493 | 15-7469 | 51,739 | 7865 | 9.3 | 19-1277 | 16-9840 |
| 49,650 | 7627 | 9.1 | 18-3989 | 7-0710 | | | | | | 51,652 | 7866 | 8.8 | 19-2770 | 11-3598 |
| 50,368 | 7629 | 9.0 | 19-1060 | 19-5681 | | | | | | 51,754 | 7867 | 7.1 | 19-3730 | 18-0249 |
| 49,795 | 7634 | 9.0 | 19-8940 | 8-6176 | | | | | | 51,755 | 7870 | 9.0 | 20-0393 | 18-1239 |
| | | | | | | | | | | 51,548 | 7875 | 9.0 | 22-0873 | 3-3508 |

| Reference No. | | | | | Reference No. | | | | | Reference No. | | | | |
|---|----------|--------------------------------|----------|----------|---|----------|--------------------------------|----------|----------|--|----------|--------------------------------|----------|----------|
| Mag. | | Standard co-ordinates, 1900-0. | | | Mag. | | Standard co-ordinates, 1900-0. | | | Mag. | | Standard co-ordinates, 1900-0. | | |
| Hyd. | Algiers. | ξ'. | η'. | | Hyd. | Algiers. | ξ'. | η'. | | Hyd. | Algiers. | ξ'. | η'. | |
| R.A. 18^h 36^m (continued) | | | | | R.A. 18^h 52^m (continued) | | | | | R.A. 19^h 0^m (continued) | | | | |
| 51,604 | 7880 | 8.3 | 24-48.41 | 6-6408 | 52,558 | 7980 | 9.2 | 4-20.34 | 24-87.29 | 52,908 | 8100 | 8.8 | 19-56.99 | 22-23.01 |
| 51,700 | 7881 | 8.2 | 24-48.14 | 15-26.30 | 52,498 | 7982 | 8.0 | 4-87.49 | 22-17.60 | 52,847 | 8101 | 6.2 | 19-79.67 | 18-37.82 |
| 51,810 | 7883 | 6.7 | 24-61.79 | 21-56.39 | 52,414 | 7986 | 9.0 | 5-76.40 | 14-25.75 | 52,789 | 8105 | 7.3 | 21-14.77 | 14-34.41 |
| R.A. 18^h 44^m | | | | | 52,487 | 7988 | 9.1 | 6-01.95 | 20-82.10 | 52,966 | 8108 | 8.5 | 21-41.00 | 24-69.04 |
| 52,016 | 7880 | 8.3 | 1-7.171 | 6-63.97 | 52,354 | 7992 | 8.8 | 7-25.55 | 8-93.77 | 52,747 | 8109 | 7.4 | 21-80.83 | 11-10.60 |
| 52,100 | 7881 | 8.2 | 1-8.124 | 15-26.13 | 52,263 | 7993 | 8.6 | 7-45.14 | 1-46.49 | 52,718 | 8112 | 8.7 | 22-41.13 | 8-79.20 |
| 52,132 | 7883 | 6.7 | 2-02.05 | 21-56.02 | 52,381 | 7994 | 7.2 | 8-39.83 | 11-05.30 | 52,885 | 8114 | 8.8 | 23-26.11 | 19-87.54 |
| 52,080 | 7888 | 9.2 | 4-11.38 | 14-23.06 | 52,382 | 7995 | 8.9 | 8-66.55 | 11-40.70 | 52,763 | 8116 | 9.1 | 23-59.09 | 11-61.12 |
| 52,039 | 7894 | 8.6 | 6-43.95 | 11-34.74 | 52,524 | 7996 | 9.4 | 9-33.49 | 23-10.89 | 52,804 | 8117 | 9.1 | 23-59.78 | 14-60.64 |
| 52,179 | 7895 | 8.0 | 6-59.57 | 24-09.16 | 52,539 | 7997 | 9.0 | 9-48.93 | 24-25.29 | 52,748 | 8121 | 9.2 | 24-08.30 | 11-12.58 |
| 52,051 | 7897 | 9.0 | 7-10.14 | 9-54.43 | 52,501 | 7998 | 8.4 | 9-51.71 | 22-13.47 | 52,952 | 8122 | 6.7 | 24-01.46 | 24-56.88 |
| 51,089 | 7900 | 7.8 | 7-67.06 | 5-05.07 | 52,436 | 8002 | 9.2 | 12-13.40 | 7-63.98 | R.A. 19^h 8^m | | | | |
| 51,034 | 7902 | 8.9 | 7-96.18 | 7-39.01 | 52,525 | 8006 | 8.5 | 12-72.81 | 23-08.24 | 53,287 | 8114 | 8.8 | 0-64.46 | 19-88.77 |
| 52,112 | 7903 | 6.8 | 8-28.58 | 16-70.37 | 52,540 | 8007 | 9.2 | 12-98.12 | 24-46.18 | 53,173 | 8116 | 9.1 | 0-88.07 | 11-64.98 |
| 52,145 | 7905 | 8.0 | 9-09.86 | 22-55.19 | 52,267 | 8012 | 9.1 | 14-35.02 | 1-77.11 | 53,202 | 8117 | 9.1 | 0-92.14 | 14-61.48 |
| 52,061 | 7906 | 8.6 | 9-75.36 | 10-72.73 | 52,438 | 8013 | 8.7 | 14-73.27 | 16-71.91 | 53,155 | 8121 | 9.2 | 1-36.70 | 11-12.89 |
| 52,053 | 7907 | 7.2 | 9-80.30 | 9-54.60 | 52,356 | 8014 | 8.3 | 14-74.56 | 8-98.09 | 53,338 | 8122 | 6.7 | 1-45.14 | 24-57.10 |
| 52,054 | 7909 | 8.1 | 10-02.55 | 9-91.35 | 52,489 | 8015 | 9.4 | 14-74.21 | 21-68.80 | 53,324 | 8124 | 9.2 | 3-19.35 | 22-89.89 |
| 52,071 | 7910 | 8.6 | 11-62.19 | 11-58.82 | 52,269 | 8018 | 8.7 | 15-86.61 | 1-89.60 | 53,289 | 8128 | 9.2 | 4-00.84 | 19-89.15 |
| 52,005 | 7911 | 8.7 | 11-73.74 | 5-73.64 | 52,457 | 8022 | 7.4 | 17-28.30 | 17-97.85 | 53,325 | 8133 | 9.4 | 5-44.49 | 6-28.59 |
| 52,010 | 7912 | 8.7 | 11-70.67 | 7-30.50 | 52,359 | 8023 | 6.8 | 17-53.06 | 9-42.68 | 53,081 | 8136 | 9.2 | 5-73.74 | 17-25.95 |
| 52,004 | 7913 | 9.0 | 11-90.78 | 14-44.60 | 52,256 | 8025 | 8.4 | 17-69.00 | 1-19.58 | 53,082 | 8138 | 9.2 | 6-62.21 | 5-51.46 |
| 52,107 | 7914 | 7.2 | 12-17.20 | 16-05.99 | 52,349 | 8028 | 8.3 | 18-64.09 | 18-29.48 | 53,242 | 8139 | 8.6 | 7-02.18 | 17-25.95 |
| 52,084 | 7915 | 8.3 | 12-18.70 | 13-25.02 | 52,459 | 8029 | 9.0 | 19-03.50 | 1-86.32 | 53,327 | 8141 | 9.2 | 7-48.53 | 23-27.44 |
| 51,981 | 7918 | 8.0 | 12-99.48 | 3-44.24 | 52,270 | 8032 | 8.9 | 19-74.61 | 25-27.12 | 53,328 | 8149 | 9.3 | 9-48.12 | 23-12.86 |
| 52,160 | 7919 | 9.2 | 13-08.51 | 23-19.70 | 52,567 | 8033 | 8.9 | 20-08.33 | 25-27.12 | 53,260 | 8151 | 8.5 | 9-83.16 | 17-88.86 |
| 52,127 | 7920 | 9.8 | 13-29.34 | 20-48.13 | 52,509 | 8034 | 7.7 | 20-62.65 | 22-57.68 | 53,300 | 8153 | 8.9 | 10-73.36 | 20-86.10 |
| 52,037 | 7921 | 8.6 | 13-53.33 | 7-59.37 | 52,560 | 8036 | 9.1 | 20-96.39 | 24-93.80 | 53,185 | 8155 | 8.9 | 11-73.51 | 13-27.81 |
| 51,960 | 7922 | 8.7 | 13-60.75 | 1-62.18 | 52,571 | 8038 | 8.8 | 21-97.82 | 25-33.53 | 53,186 | 8163 | 9.2 | 13-16.83 | 13-37.40 |
| 52,005 | 7923 | 8.7 | 14-13.26 | 14-01.63 | 52,473 | 8039 | 8.1 | 22-04.09 | 18-87.62 | 53,016 | 8166 | 8.2 | 14-59.36 | 1-85.97 |
| 52,117 | 7924 | 8.9 | 14-67.46 | 17-96.81 | 52,543 | 8041 | 8.9 | 23-46.21 | 24-57.89 | 53,052 | 8169 | 8.8 | 15-08.21 | 3-76.93 |
| 52,146 | 7927 | 9.4 | 15-23.94 | 16-28.55 | 52,331 | 8045 | 9.1 | 25-24.22 | 7-26.76 | 53,211 | 8171 | 8.8 | 15-16.66 | 17-77.69 |
| 52,113 | 7929 | 9.0 | 15-30.52 | 12-08.75 | 52,363 | 8046 | 9.0 | 25-27.14 | 9-30.48 | 53,134 | 8175 | 9.1 | 15-83.16 | 9-17.99 |
| 52,147 | 7934 | 8.4 | 16-45.95 | 21-78.42 | R.A. 19^h 0^m | | | | | 53,348 | 8178 | 8.0 | 17-36.71 | 24-52.04 |
| 51,972 | 7936 | 9.2 | 16-84.39 | 2-49.43 | 52,955 | 8041 | 8.9 | 0-89.90 | 24-58.88 | 53,279 | 8179 | 9.0 | 17-66.19 | 19-49.28 |
| 52,149 | 7938 | 8.4 | 17-51.37 | 22-06.72 | 52,708 | 8045 | 9.1 | 2-48.22 | 7-25.82 | 53,165 | 8184 | 8.5 | 19-59.73 | 10-95.28 |
| 52,041 | 7944 | 9.0 | 19-00.71 | 7-78.78 | 52,646 | 8046 | 9.0 | 2-53.46 | 9-29.46 | 53,281 | 8187 | 9.9 | 20-86.35 | 19-41.78 |
| 52,150 | 7956 | 9.0 | 21-62.03 | 22-48.53 | 52,872 | 8047 | 9.1 | 3-40.93 | 4-07.15 | 53,282 | 8188 | Var. | 20-99.50 | 18-81.76 |
| 52,013 | 7958 | 7.0 | 21-79.71 | 5-57.25 | 52,838 | 8052 | 6.7 | 5-03.11 | 17-69.60 | 53,228 | 8194 | 9.3 | 21-77.22 | 15-86.59 |
| 52,057 | 7959 | 6.9 | 22-23.94 | 10-10.80 | 52,872 | 8053 | 9.1 | 5-06.48 | 20-33.83 | 53,214 | 8198 | 8.9 | 22-38.36 | 14-97.96 |
| 52,173 | 7962 | 9.0 | 22-00.88 | 23-80.25 | 52,809 | 8054 | 7.3 | 5-19.75 | 15-98.38 | 53,180 | 8201 | 8.8 | 23-01.48 | 12-33.50 |
| 52,075 | 7963 | 8.8 | 22-87.87 | 11-91.60 | 52,890 | 8057 | 8.9 | 6-06.42 | 20-94.39 | 53,151 | 8202 | 8.5 | 23-24.23 | 10-13.06 |
| 52,161 | 7964 | 9.4 | 23-02.94 | 23-50.23 | 52,649 | 8058 | 9.0 | 6-12.85 | 3-57.20 | 53,231 | 8203 | 8.6 | 23-38.47 | 15-88.97 |
| 52,030 | 7965 | 9.1 | 23-33.89 | 7-19.31 | 52,767 | 8060 | 8.3 | 6-45.44 | 12-42.51 | 53,008 | 8205 | 8.6 | 23-61.14 | 1-02.55 |
| 52,131 | 7967 | 8.5 | 23-56.07 | 19-90.87 | 52,740 | 8072 | 8.8 | 10-00.20 | 11-27.50 | 53,197 | 8206 | 5.0 | 23-72.64 | 14-60.04 |
| 52,174 | 7969 | 7.3 | 24-00.65 | 24-06.51 | 52,607 | 8073 | 8.8 | 10-03.37 | 0-40.54 | 53,024 | 8207 | 8.3 | 23-85.95 | 2-21.09 |
| 52,197 | 7970 | 9.2 | 24-11.00 | 25-99.57 | 52,921 | 8076 | 8.9 | 11-01.88 | 23-04.74 | 53,039 | 8209 | 8.7 | 24-25.16 | 3-43.30 |
| 52,184 | 7975 | 8.9 | 25-36.66 | 25-72.03 | 52,666 | 8077 | 8.9 | 11-28.81 | 6-36.38 | 53,358 | 8211 | 8.9 | 24-39.48 | 25-64.81 |
| R.A. 18^h 52^m | | | | | 52,651 | 8078 | 9.0 | 12-24.78 | 4-10.16 | 53,295 | 8212 | 9.0 | 24-50.60 | 20-24.28 |
| 52,514 | 7964 | 9.4 | 0-45.40 | 23-51.72 | 52,893 | 8080 | 8.8 | 13-21.80 | 20-59.33 | 53,285 | 8216 | 8.5 | 25-31.07 | 5-68.82 |
| 52,310 | 7965 | 9.1 | 0-57.82 | 7-20.47 | 52,667 | 8081 | 8.4 | 13-58.29 | 4-80.30 | R.A. 19^h 16^m | | | | |
| 52,475 | 7967 | 8.5 | 0-94.45 | 19-91.76 | 52,623 | 8084 | 9.0 | 15-08.01 | 1-97.49 | 53,622 | 8201 | 8.8 | 0-31.25 | 12-35.02 |
| 52,531 | 7969 | 7.3 | 1-43.76 | 24-06.85 | 52,756 | 8087 | 7.0 | 16-64.88 | 11-70.23 | 53,574 | 8202 | 8.5 | 0-51.50 | 10-14.32 |
| 52,576 | 7970 | 9.2 | 1-56.30 | 25-99.76 | 52,609 | 8090 | 8.6 | 16-90.58 | 22-94.07 | 53,705 | 8203 | 8.6 | 0-72.28 | 15-90.05 |
| 52,548 | 7975 | 8.9 | 2-81.64 | 25-70.72 | 52,624 | 8092 | 8.8 | 17-07.90 | 1-12.60 | 53,401 | 8205 | 8.6 | 0-78.07 | 1-03.41 |
| 52,550 | 7977 | 9.1 | 3-39.94 | 25-67.51 | 52,858 | 8093 | 8.8 | 17-92.61 | 19-38.22 | 53,689 | 8206 | 5.0 | 1-04.98 | 14-60.73 |
| 52,497 | 7978 | 9.1 | 4-06.46 | 22-31.94 | 52,757 | 8094 | 9.2 | 18-04.23 | 11-59.91 | | | | | |

| Reference No. | | | | Mag. | | | | Standard co-ordinates, 1900-0. | | | | | | | |
|--|------|----------|---------|---------|--------------------------------------|------|-----|--------------------------------|---------|--------------------------------------|------|-----|---------|---------|--|
| Hyl. | | Algiers. | | ξ. | | η. | | Hyl. | | Algiers. | | ξ. | | η. | |
| R.A. 19 ^h 16 ^m (continued) | | | | | | | | | | | | | | | |
| 53,413 | 8207 | 8.3 | 1-0422 | 2-2168 | 54,017 | 8327 | 8.9 | 9-5070 | 1-4606 | 55,203 | 8436 | 9.0 | 0-0954 | 24-2068 | |
| 53,457 | 8209 | 8.7 | 1-4481 | 3-3437 | 54,324 | 8328 | 9.1 | 9-8812 | 24-1401 | 55,034 | 8440 | 9.2 | 2-1552 | 8-0847 | |
| 53,937 | 8211 | 8.9 | 1-8439 | 25-0408 | 54,035 | 8330 | 9.0 | 10-9506 | 4-2543 | 54,973 | 8441 | 9.2 | 2-5318 | 3-0736 | |
| 53,805 | 8212 | 9.0 | 1-8930 | 20-2405 | 54,325 | 8332 | 9.0 | 11-1320 | 24-4250 | 55,064 | 8443 | 8.9 | 3-4609 | 10-1103 | |
| 53,731 | 8213 | 8.8 | 2-2523 | 16-8574 | 54,036 | 8333 | 9.0 | 11-4390 | 3-4060 | 55,013 | 8447 | 8.9 | 4-0171 | 6-2278 | |
| 53,490 | 8214 | 8.6 | 2-5328 | 5-0780 | 54,172 | 8334 | 8.8 | 11-8639 | 13-7203 | 55,065 | 8448 | 9.2 | 4-0044 | 10-1772 | |
| 53,787 | 8216 | 8.5 | 3-0359 | 19-5186 | 54,225 | 8335 | 9.2 | 12-3541 | 18-5879 | 55,135 | 8450 | 8.5 | 5-5731 | 17-1915 | |
| 53,559 | 8217 | 8.7 | 3-0852 | 8-7321 | 54,281 | 8337 | 8.7 | 12-4067 | 21-3645 | 55,136 | 8453 | 9.1 | 6-5674 | 10-1709 | |
| 53,623 | 8218 | 8.0 | 3-5013 | 11-5505 | 54,039 | 8338 | 9.1 | 12-7077 | 3-8438 | 55,068 | 8460 | 8.8 | 10-0974 | 10-1811 | |
| 53,709 | 8219 | 9.1 | 3-5316 | 10-0351 | 54,052 | 8339 | 9.0 | 12-8500 | 4-1309 | 55,002 | 8462 | 8.8 | 10-8050 | 5-6862 | |
| 53,625 | 8220 | 8.5 | 4-1702 | 12-0201 | 54,293 | 8340 | 8.6 | 13-5252 | 22-1263 | 55,106 | 8464 | 8.9 | 11-0643 | 14-1238 | |
| 53,913 | 8223 | 9.0 | 4-3410 | 23-8666 | 54,264 | 8343 | 8.3 | 13-8578 | 20-1117 | 54,902 | 8467 | 9.0 | 14-1707 | 4-2424 | |
| 53,432 | 8224 | 8.7 | 4-9354 | 2-3274 | 54,077 | 8344 | 8.2 | 13-9505 | 6-3957 | 55,226 | 8468 | 5.1 | 14-1915 | 25-0211 | |
| 53,789 | 8234 | 8.2 | 7-6848 | 19-0607 | 54,123 | 8347 | 9.0 | 14-4884 | 10-3210 | 55,004 | 8471 | 8.8 | 14-8481 | 5-7365 | |
| 53,671 | 8238 | 8.7 | 9-0006 | 13-5770 | 54,066 | 8348 | 8.8 | 15-1432 | 6-1986 | 55,152 | 8472 | 9.3 | 14-8393 | 17-3482 | |
| 53,692 | 8239 | 9.0 | 9-1290 | 15-1755 | 54,070 | 8349 | 8.0 | 15-4774 | 7-3806 | 55,237 | 8473 | 8.1 | 15-2996 | 26-0026 | |
| 53,711 | 8243 | 9.1 | 10-0807 | 15-0610 | 54,268 | 8359 | 7.8 | 18-2402 | 20-1677 | 55,238 | 8474 | 9.0 | 16-3249 | 25-7523 | |
| 53,564 | 8245 | 8.1 | 11-0606 | 9-4486 | 54,137 | 8360 | 8.8 | 19-0104 | 11-4124 | 55,093 | 8478 | 8.9 | 17-2632 | 12-8668 | |
| 53,693 | 8246 | 8.6 | 11-3385 | 11-0530 | 54,331 | 8363 | 9.0 | 20-2790 | 23-0632 | 55,105 | 8481 | 8.7 | 18-5058 | 18-4079 | |
| 53,960 | 8247 | 9.0 | 11-6205 | 25-8551 | 54,248 | 8365 | 8.9 | 22-5007 | 18-8610 | 54,907 | 8482 | 8.9 | 18-9505 | 4-1717 | |
| 53,764 | 8248 | 6.7 | 12-3172 | 18-0615 | 54,140 | 8367 | 8.4 | 23-6651 | 10-0685 | 55,045 | 8483 | 9.1 | 18-9675 | 8-8120 | |
| 53,421 | 8249 | 4.8 | 12-6372 | 1-4256 | 54,179 | 8368 | 8.8 | 24-1246 | 13-0349 | 55,084 | 8487 | 8.5 | 19-4776 | 11-6647 | |
| 53,519 | 8251 | 6.8 | 13-0308 | 6-9228 | 54,332 | 8369 | 9.2 | 24-2518 | 24-3480 | 55,108 | 8490 | 9.0 | 20-3214 | 13-6437 | |
| 53,736 | 8254 | 8.7 | 13-6049 | 16-7324 | 54,333 | 8371 | 9.5 | 24-4172 | 24-5331 | 55,146 | 8492 | 9.2 | 22-5481 | 10-4385 | |
| 53,542 | 8256 | 9.0 | 14-2602 | 8-0536 | 54,302 | 8376 | 8.4 | 25-1356 | 22-4719 | 55,147 | 8494 | 8.9 | 24-2485 | 20-3638 | |
| 53,693 | 8258 | 8.5 | 15-1181 | 15-5584 | 54,021 | 8377 | 9.1 | 25-7190 | 2-2259 | 55,474 | 8496 | 9.2 | 24-7604 | 16-5783 | |
| 53,582 | 8262 | 9.4 | 15-3328 | 10-0362 | R.A. 19 ^h 32 ^m | | | | | | | | | | |
| 53,945 | 8264 | 9.0 | 16-1130 | 25-4332 | 54,588 | 8367 | 8.4 | 0-0476 | 10-0763 | R.A. 19 ^h 48 ^m | | | | | |
| 53,442 | 8265 | 8.9 | 16-1527 | 3-1496 | 54,647 | 8368 | 8.8 | 1-4405 | 13-0373 | 55,511 | 8499 | 8.9 | 1-0375 | 20-3644 | |
| 53,695 | 8266 | 8.4 | 16-4405 | 15-0823 | 54,853 | 8369 | 9.2 | 1-6861 | 24-3484 | 55,490 | 8499 | 9.2 | 2-1063 | 16-5732 | |
| 53,444 | 8269 | 8.5 | 17-6100 | 3-2958 | 54,854 | 8371 | 9.5 | 1-8536 | 24-5316 | 55,435 | 8499 | 9.1 | 2-0917 | 14-6861 | |
| 53,445 | 8270 | 8.8 | 17-6681 | 3-2516 | 54,815 | 8376 | 8.4 | 2-5484 | 22-6019 | 55,272 | 8500 | 9.1 | 2-6430 | 2-3820 | |
| 53,446 | 8271 | 8.5 | 17-7283 | 3-3108 | 54,416 | 8377 | 9.1 | 2-0917 | 2-2117 | 55,289 | 8502 | 8.7 | 3-8970 | 3-4745 | |
| 53,424 | 8272 | 8.8 | 17-7766 | 1-5613 | 54,493 | 8379 | 9.0 | 3-8275 | 5-0509 | 55,474 | 8503 | 9.1 | 3-5111 | 17-0833 | |
| 53,901 | 8274 | 9.1 | 18-3418 | 23-3806 | 54,474 | 8381 | 8.9 | 4-2138 | 4-8339 | 55,480 | 8504 | 9.1 | 3-7407 | 10-4750 | |
| 53,570 | 8277 | 9.0 | 18-7900 | 9-2578 | 54,816 | 8382 | 8.5 | 4-8126 | 12-8301 | 55,389 | 8507 | 9.2 | 6-0620 | 7-8257 | |
| 53,409 | 8279 | 8.8 | 19-0144 | 0-7627 | 54,877 | 8384 | 8.8 | 5-8116 | 22-5904 | 55,476 | 8509 | 8.3 | 6-1288 | 18-5083 | |
| 53,586 | 8280 | 9.1 | 20-2007 | 10-3035 | 54,881 | 8387 | 9.0 | 6-8380 | 24-9056 | 55,503 | 8510 | 8.7 | 7-1321 | 24-1180 | |
| 53,932 | 8281 | 8.7 | 20-1700 | 23-0131 | 54,779 | 8389 | 8.7 | 7-4420 | 20-1060 | 55,466 | 8511 | 9.0 | 7-7639 | 13-4779 | |
| 53,682 | 8282 | 8.7 | 20-5064 | 14-4762 | 54,837 | 8391 | 8.8 | 8-0565 | 22-7923 | 55,452 | 8513 | 6.7 | 8-4385 | 16-5299 | |
| 53,614 | 8287 | 7.7 | 21-5505 | 10-7501 | 54,651 | 8393 | 8.7 | 8-3902 | 14-1957 | 55,497 | 8514 | 9.0 | 8-8873 | 13-3959 | |
| 53,469 | 8288 | 9.1 | 21-9202 | 3-7307 | 54,652 | 8394 | 6.2 | 9-0480 | 13-8877 | 55,340 | 8518 | 8.8 | 9-5538 | 8-1986 | |
| 53,550 | 8290 | 9.0 | 22-1783 | 8-2160 | 54,766 | 8395 | 8.7 | 9-7351 | 18-7102 | 55,513 | 8519 | 8.6 | 9-5316 | 20-5650 | |
| 53,720 | 8291 | 8.9 | 22-1767 | 16-0228 | 54,480 | 8397 | 9.1 | 9-9662 | 4-8512 | 55,496 | 8523 | 8.8 | 11-2073 | 19-2607 | |
| 53,587 | 8293 | 7.0 | 22-3449 | 10-1205 | 54,636 | 8399 | 8.3 | 10-1480 | 13-0683 | 55,370 | 8524 | 9.1 | 11-5080 | 24-9531 | |
| 53,820 | 8297 | 9.1 | 23-3947 | 19-0395 | 54,510 | 8403 | 6.8 | 10-8756 | 6-4382 | 55,279 | 8525 | 8.9 | 11-9409 | 3-0026 | |
| 53,748 | 8299 | 8.8 | 23-9040 | 17-6222 | 54,617 | 8405 | 9.0 | 11-3033 | 12-4970 | 55,313 | 8529 | 9.1 | 13-3737 | 5-4478 | |
| 53,532 | 8300 | 9.3 | 24-1044 | 7-1160 | 54,701 | 8406 | 8.8 | 12-2853 | 15-8701 | 55,414 | 8530 | 9.0 | 14-1910 | 19-9129 | |
| 53,533 | 8301 | 9.1 | 24-2998 | 7-1799 | 54,742 | 8408 | 8.8 | 13-5639 | 18-2165 | 55,543 | 8532 | 7.9 | 14-9861 | 15-3453 | |
| R.A. 19 ^h 24 ^m | | | | | | | | | | | | | | | |
| 54,252 | 8297 | 9.1 | 0-7787 | 19-0411 | 54,482 | 8412 | 9.1 | 14-8215 | 5-2011 | 55,478 | 8533 | 9.2 | 15-1121 | 21-6143 | |
| 54,207 | 8299 | 8.8 | 1-2600 | 17-4609 | 54,745 | 8415 | 9.0 | 16-3751 | 18-2438 | 55,527 | 8535 | 8.7 | 16-4600 | 13-3537 | |
| 54,071 | 8300 | 9.3 | 1-4328 | 7-1181 | 54,844 | 8416 | 8.7 | 17-5761 | 22-9909 | 55,591 | 8537 | 7.5 | 17-4612 | 19-6694 | |
| 54,072 | 8301 | 9.1 | 1-5389 | 7-1808 | 54,747 | 8418 | 8.3 | 18-4888 | 18-5086 | 55,445 | 8540 | 8.5 | 19-0771 | 14-6713 | |
| 54,031 | 8311 | 9.1 | 5-0199 | 3-9691 | 54,748 | 8420 | 9.1 | 18-5356 | 17-8052 | 55,284 | 8544 | 9.0 | 21-3605 | 3-5551 | |
| 54,219 | 8314 | 9.1 | 6-3714 | 17-8721 | 54,445 | 8426 | 8.3 | 20-0592 | 24-6004 | 55,204 | 8545 | 8.7 | 21-6354 | 1-1201 | |
| 54,091 | 8317 | 7.6 | 6-8896 | 7-6240 | 54,541 | 8427 | 8.8 | 20-1134 | 7-5496 | 55,326 | 8546 | 9.2 | 21-6232 | 7-1609 | |
| 54,163 | 8318 | 8.5 | 7-1995 | 12-6411 | 54,828 | 8430 | 9.2 | 21-4660 | 22-2539 | 55,303 | 8548 | 8.7 | 22-1040 | 8-5475 | |
| 54,244 | 8322 | 8.4 | 7-9089 | 19-5441 | 54,868 | 8436 | 9.0 | 23-2620 | 24-1947 | 55,560 | 8549 | 9.0 | 22-9709 | 22-3936 | |
| 54,093 | 8323 | 7.5 | 8-0798 | 7-7426 | 54,545 | 8440 | 9.2 | 24-9058 | 8-0906 | 55,429 | 8550 | 9.0 | 23-1134 | 14-3470 | |
| .. | 8326 | 9.0 | 9-1954 | 0-1293 | 54,468 | 8441 | 9.2 | 25-3325 | 3-6838 | | | | | | |

-19°.

STANDARD CO-ORDINATES.

19° 48'—20° 36'

| Reference No. | | | | | Reference No. | | | | | Reference No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------|--------------------------------|---------|---------|---------------|------|--------------------------------|----------|---------|---------------|------|--------------------------------|---------|----------|--------------------------------------|------|-----|---|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mag. | | Standard co-ordinates, 1900-0. | | | Mag. | | Standard co-ordinates, 1900-0. | | | Mag. | | Standard co-ordinates, 1900-0. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyd. | | Algiers. | | ξ. | η. | Hyd. | | Algiers. | | ξ. | η. | Hyd. | | Algiers. | | ξ. | η. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R.A. 19 ^h 48 ^m (continued) | | | | | | | | | | | | | | | | | | R.A. 20 ^h 4 ^m (continued) | | | | | | | | | | | | | | | | | | R.A. 20 ^h 20 ^m (continued) | | | | | | | | | | | | | | | | | |
| 55.544 | 8551 | 8-9 | 23-2290 | 22-5510 | 56.094 | 8653 | 8-7 | 21-5395 | 13-2049 | 56.725 | 8765 | 9-0 | 16-0617 | 15-0870 | 56.622 | 8767 | 8-9 | 16-7452 | 2-3918 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.551 | 8553 | 8-7 | 25-1855 | 7-6961 | 56.160 | 8654 | 8-9 | 21-7014 | 17-7008 | 56.824 | 8768 | 9-2 | 16-7642 | 25-6981 | 56.603 | 8770 | 8-6 | 17-2485 | 11-3205 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.400 | 8554 | 8-7 | 25-6174 | 11-6829 | 56.015 | 8659 | 8-9 | 23-8759 | 9-0710 | 56.664 | 8771 | 5-8 | 17-5487 | 7-4833 | 56.664 | 8772 | 9-0 | 19-0971 | 5-6155 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R.A. 19 ^h 56 ^m | | | | | | | | | | | | | | | | | | R.A. 20 ^h 12 ^m | | | | | | | | | | | | | | | | | | R.A. 20 ^h 28 ^m | | | | | | | | | | | | | | | | | |
| 55.707 | 8550 | 9-0 | 0-4340 | 14-3611 | 56.421 | 8659 | 8-9 | 1-1366 | 9-0765 | 57.085 | 8787 | 8-8 | 1-6265 | 18-1173 | 56.684 | 8775 | 9-0 | 20-2450 | 9-9629 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.849 | 8551 | 8-9 | 0-6428 | 22-5635 | 56.434 | 8660 | 8-5 | 1-4728 | 9-5314 | 56.991 | 8788 | 6-9 | 2-0504 | 12-0375 | 56.639 | 8778 | 9-1 | 20-6902 | 4-7581 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.709 | 8553 | 8-7 | 2-4304 | 7-6872 | 56.351 | 8663 | 7-8 | 2-3168 | 0-7576 | 56.992 | 8789 | 6-7 | 2-1201 | 11-9995 | 56.826 | 8780 | 8-8 | 21-1106 | 25-2711 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.742 | 8554 | 8-7 | 2-9076 | 11-6687 | 56.390 | 8667 | 7-7 | 3-6756 | 5-7881 | 57.149 | 8796 | 8-8 | 4-6133 | 22-4179 | 56.623 | 8781 | 5-1 | 22-0020 | 2-7499 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.719 | 8556 | 8-4 | 3-8045 | 8-8202 | 56.519 | 8669 | 8-0 | 4-3298 | 19-1416 | 57.105 | 8799 | 8-9 | 5-2736 | 18-5528 | 56.631 | 8784 | 7-3 | 22-4060 | 3-4628 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.606 | 8558 | 9-0 | 4-6364 | 6-6621 | 56.415 | 8674 | 8-9 | 6-3699 | 8-0404 | 56.913 | 8801 | 8-5 | 6-4578 | 6-0522 | 56.772 | 8787 | 8-8 | 24-2631 | 18-1166 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.676 | 8561 | 8-5 | 5-2052 | 3-7692 | 56.488 | 8675 | 8-7 | 7-1552 | 15-5944 | 56.922 | 8802 | 9-1 | 7-6808 | 6-7436 | 56.704 | 8788 | 6-9 | 24-7620 | 12-0422 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.852 | 8563 | 8-6 | 5-8392 | 23-4666 | 56.558 | 8676 | 9-2 | 8-1214 | 23-1553 | 57.118 | 8805 | 9-0 | 9-1141 | 20-3889 | 56.705 | 8789 | 6-7 | 24-8262 | 12-0049 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.711 | 8570 | 8-5 | 9-0711 | 7-7582 | 56.385 | 8681 | 9-0 | 10-6454 | 5-1107 | 57.138 | 8808 | 8-6 | 11-0310 | 20-7370 | R.A. 20 ^h 36 ^m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.679 | 8571 | 8-9 | 10-1246 | 3-7535 | 56.438 | 8683 | 7-2 | 10-8858 | 9-8748 | 56.962 | 8813 | 9-1 | 12-7557 | 9-8403 | 57.085 | 8787 | 8-8 | 1-6265 | 18-1173 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.798 | 8576 | 8-0 | 13-6180 | 17-5042 | 56.533 | 8686 | 8-5 | 11-7573 | 20-0593 | 57.141 | 8815 | 7-7 | 14-2090 | 20-5530 | 56.991 | 8788 | 6-9 | 2-0504 | 12-0375 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.605 | 8577 | 9-3 | 13-7103 | 3-1241 | 56.410 | 8690 | 8-8 | 13-6538 | 7-2543 | 57.154 | 8816 | 8-9 | 15-0069 | 21-8728 | 56.992 | 8789 | 6-7 | 2-1201 | 11-9995 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.666 | 8579 | 9-0 | 15-1840 | 3-1905 | 56.586 | 8694 | 8-7 | 15-2536 | 25-0819 | 57.094 | 8822 | 9-1 | 17-6502 | 18-2544 | 57.149 | 8796 | 8-8 | 4-6133 | 22-4179 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.808 | 8580 | 9-1 | 15-5482 | 17-8100 | 56.373 | 8695 | 8-8 | 15-8831 | 3-0146 | 56.872 | 8823 | 8-6 | 17-8949 | 2-5770 | 57.105 | 8799 | 8-9 | 5-2736 | 18-5528 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.700 | 8581 | 9-4 | 15-8841 | 6-9479 | 56.429 | 8696 | 7-8 | 15-8807 | 8-6270 | 56.868 | 8824 | 9-2 | 18-3022 | 1-8765 | 56.913 | 8801 | 8-5 | 6-4578 | 6-0522 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.701 | 8582 | 8-9 | 16-0048 | 6-4088 | 56.562 | 8699 | 8-9 | 17-2943 | 23-6289 | 56.922 | 8825 | 8-8 | 18-6020 | 18-1604 | 56.922 | 8802 | 9-1 | 7-6808 | 6-7436 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.702 | 8583 | 9-4 | 16-0257 | 7-0348 | 56.511 | 8701 | 6-4 | 17-5966 | 18-1722 | 57.118 | 8827 | 8-8 | 19-3149 | 4-7220 | 57.118 | 8805 | 9-0 | 9-1141 | 20-3889 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.737 | 8585 | 7-3 | 16-2168 | 10-8756 | 56.512 | 8702 | 8-7 | 17-6042 | 18-3603 | 57.138 | 8828 | 8-9 | 20-7370 | 2-7370 | 57.138 | 8808 | 8-6 | 11-0310 | 20-7370 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.704 | 8586 | 8-1 | 17-1367 | 7-2630 | 56.565 | 8712 | 9-1 | 20-5645 | 23-3039 | 56.962 | 8813 | 9-1 | 12-7557 | 9-8403 | 57.141 | 8815 | 7-7 | 14-2090 | 20-5530 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.789 | 8587 | 9-3 | 18-2010 | 15-8566 | 56.571 | 8713 | 7-5 | 20-5781 | 24-5445 | 57.154 | 8816 | 8-9 | 15-0069 | 21-8728 | 57.141 | 8815 | 7-7 | 14-2090 | 20-5530 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.773 | 8588 | 8-9 | 18-0977 | 13-8355 | 56.515 | 8715 | 9-0 | 21-6977 | 18-0108 | 56.952 | 8820 | 9-1 | 17-3733 | 8-3555 | 57.154 | 8816 | 8-9 | 15-0069 | 21-8728 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.661 | 8598 | 9-1 | 22-1097 | 1-8221 | 56.413 | 8716 | 7-2 | 21-9802 | 6-6678 | 57.094 | 8822 | 9-1 | 17-6502 | 18-2544 | 56.952 | 8820 | 9-1 | 17-3733 | 8-3555 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.774 | 8599 | 9-0 | 22-2248 | 13-0736 | 56.573 | 8717 | 9-0 | 21-9303 | 24-5070 | 56.872 | 8823 | 8-6 | 17-8949 | 2-5770 | 56.952 | 8820 | 9-1 | 17-3733 | 8-3555 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.706 | 8600 | 9-0 | 22-7399 | 12-9217 | 56.442 | 8718 | 9-0 | 22-1223 | 10-5485 | 56.868 | 8824 | 9-2 | 18-3022 | 1-8765 | 56.872 | 8823 | 8-6 | 17-8949 | 2-5770 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.681 | 8601 | 9-0 | 23-1501 | 4-3757 | 56.573 | 8719 | 7-3 | 22-3345 | 8-6933 | 56.908 | 8825 | 8-8 | 18-6020 | 18-1604 | 56.868 | 8824 | 9-2 | 18-3022 | 1-8765 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.657 | 8602 | 8-8 | 24-0508 | 0-8367 | 56.442 | 8718 | 9-0 | 22-1223 | 10-5485 | 56.902 | 8827 | 8-8 | 19-3149 | 4-7220 | 56.908 | 8825 | 8-8 | 18-6020 | 18-1604 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.702 | 8605 | 8-3 | 25-1065 | 12-9090 | 56.432 | 8719 | 7-3 | 22-3345 | 8-6933 | 56.920 | 8827 | 8-8 | 19-3149 | 4-7220 | 56.902 | 8827 | 8-8 | 19-3149 | 4-7220 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.848 | 8606 | 7-0 | 25-4955 | 22-3451 | 56.465 | 8720 | 8-8 | 22-4751 | 13-6326 | 56.920 | 8827 | 8-8 | 19-3149 | 4-7220 | 56.902 | 8827 | 8-8 | 19-3149 | 4-7220 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R.A. 20 ^h 4 ^m | | | | | | | | | | | | | | | | | | R.A. 20 ^h 20 ^m | | | | | | | | | | | | | | | | | | R.A. 20 ^h 36 ^m | | | | | | | | | | | | | | | | | |
| 55.041 | 8601 | 9-0 | 0-3574 | 4-3893 | 56.696 | 8721 | 8-8 | 0-3430 | 11-4885 | 57.268 | 8835 | 9-1 | 0-5176 | 2-3533 | 56.432 | 8719 | 7-3 | 22-3345 | 8-6933 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.901 | 8602 | 8-8 | 1-2239 | 0-8405 | 56.762 | 8723 | 9-0 | 1-0653 | 17-7371 | 57.269 | 8837 | 9-0 | 0-7590 | 2-5599 | 56.465 | 8720 | 8-8 | 22-4751 | 13-6326 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.082 | 8605 | 8-3 | 2-1107 | 12-9004 | 56.707 | 8727 | 8-9 | 3-4042 | 13-0963 | 57.432 | 8838 | 8-9 | 0-9300 | 20-2422 | 56.447 | 8721 | 8-8 | 23-0350 | 11-4739 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.239 | 8606 | 7-0 | 2-9068 | 22-3309 | 56.615 | 8729 | 9-2 | 3-7114 | 2-7445 | 57.445 | 8839 | 8-8 | 1-9136 | 14-5278 | 56.501 | 8723 | 9-0 | 23-7062 | 17-7301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.992 | 8610 | 8-3 | 3-6099 | 8-1467 | 56.707 | 8727 | 8-9 | 3-4042 | 13-0963 | 57.446 | 8840 | 8-8 | 2-0504 | 12-0375 | 56.573 | 8717 | 9-0 | 21-9303 | 24-5070 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.319 | 8611 | 9-2 | 3-8312 | 25-7945 | 56.615 | 8729 | 9-2 | 3-7114 | 2-7445 | 57.432 | 8838 | 8-9 | 0-9300 | 20-2422 | 56.442 | 8718 | 9-0 | 22-1223 | 10-5485 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.939 | 8613 | 9-1 | 5-1134 | 2-3830 | 56.807 | 8732 | 9-2 | 5-6383 | 23-1939 | 57.368 | 8840 | 8-8 | 1-9136 | 14-5278 | 56.519 | 8729 | 9-2 | 3-7114 | 2-7445 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.261 | 8614 | 7-8 | 6-0654 | 23-3324 | 56.807 | 8732 | 9-2 | 5-6383 | 23-1939 | 57.369 | 8842 | 8-7 | 3-0114 | 14-7269 | 56.615 | 8729 | 9-2 | 3-7114 | 2-7445 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.200 | 8616 | 9-0 | 6-6664 | 20-4805 | 56.669 | 8733 | 7-7 | 5-6064 | 8-9540 | 57.479 | 8844 | 9-0 | 3-2320 | 23-9491 | 56.807 | 8732 | 9-2 | 5-6383 | 23-1939 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.293 | 8619 | 8-3 | 7-2175 | 25-7897 | 56.661 | 8736 | 8-7 | 6-8364 | 7-4422 | 57.479 | 8844 | 9-0 | 3-2320 | 23-9491 | 56.669 | 8733 | 7-7 | 5-6064 | 8-9540 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.933 | 8620 | 8-8 | 7-3503 | 3-3987 | 56.715 | 8739 | 9-2 | 7-8362 | 13-6237 | 57.479 | 8844 | 9-0 | 3-2320 | 23-9491 | 56.661 | 8736 | 8-7 | 6-8364 | 7-4422 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.183 | 8621 | 8-7 | 7-4183 | 18-8482 | 56.671 | 8742 | 9-0 | 8-6774 | 9-2388 | 57.353 | 8846 | 8-8 | 3-7807 | 13-1216 | 56.715 | 8739 | 9-2 | 7-8362 | 13-6237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.981 | 8622 | 8-8 | 8-5248 | 7-4781 | 56.671 | 8742 | 9-0 | 8-6774 | 9-2388 | 57.353 | 8846 | 8-8 | 3-7807 | 13-1216 | 56.671 | 8742 | 9-0 | 8-6774 | 9-2388 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.108 | 8623 | 7-0 | 8-5741 | 14-1220 | 56.798 | 8745 | 9-1 | 9-1942 | 22-1010 | 57.353 | 8846 | 8-8 | 3-7807 | 13-1216 | 56.798 | 8745 | 9-1 | 9-1942 | 22-1010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.245 | 8625 | 9-0 | 10-0662 | 22-7423 | 56.716 | 8746 | 9-3 | 9-5593 | 14-1337 | 57.299 | 8847 | 9-1 | 3-7940 | 5-8433 | 56.671 | 8742 | 9-0 | 8-6774 | 9-2388 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.958 | 8626 | 8-6 | 10-3137 | 4-8077 | 56.821 | 8747 | 8-9 | 10-1622 | 25-3662 | 57.278 | 8849 | 9-1 | 4-4686 | 3-5558 | 56.716 | 8746 | 9-3 | 9-5593 | 14-1337 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.227 | 8627 | 8-7 | 11-5939 | 21-4662 | 56.821 | 8747 | 8-9 | 10-1622 | 25-3662 | 57.278 | 8849 | 9-1 | 4-4686 | 3-5558 | 56.821 | 8747 | 8-9 | 10-1622 | 25-3662 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.127 | 8629 | 9-1 | 12-3526 | 15-3091 | 56.617 | 8750 | 8-7 | 10-9114 | 3-0527 | 57.445 | 8851 | 9-3 | 5-9025 | 21-3059 | 56.617 | 8750 | 8-7 | 10-9114 | 3-0527 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.008 | 8631 | 8-4 | 12-8384 | 8-6672 | 56.799 | 8751 | 7-6 | 11-0286 | 22-0935 | 57.446 | 8852 | 8-1 | 6-0077 | 20-5690 | 56.799 | 8751 | 7-6 | 11-0286 | 22-0935 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.188 | 8635 | 9-1 | 14-0314 | 19-6072 | 56.709 | 8752 | 9-1 | 11-0790 | 13-2969 | 57.488 | 8853 | 9-1 | 6-8124 | 25-2853 | 56.617 | 8750 | 8-7 | 10-9114 | 3-0527 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.220 | 8637 | 7-8 | 14-7774 | 21-0919 | 56.609 | 8757 | 9-2 | 12-7666 | 1-6792 | 57.309 | 8856 | 5-6 | 8-3271 | 6-8959 | 56.709 | 8752 | 9-1 | 11-0790 | 13-2969 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56.284 | 8642 | 9-1 | 17-0279 | 24-4193 | 56.611 | 8758 | 9-0 | 12-8303 | 2-1394 | 57.347 | 8860 | 9-0 | 9-7635 | 11-8229 | 56.609 | 8757 | 9-2 | 12-7666 | 1-6792 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.923 | 8644 | 9-0 | 17-3915 | 2-4077 | 56.823 | 8759 | 8-9 | 13-4331 | 25-5378 | 57.374 | 8861 | 8-6 | 10-4614 | 14-6119 | 56.611 | 8758 | 9-0 | 12-8303 | 2-1394 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.974 | 8649 | 7-6 | 20-1344 | 6-3165 | 56.692 | 8760 | 8-0 | 13-4695 | 10-6981 | 57.273 | 8862 | 8-6 | 10-9829 | 2-8030 | 56.823 | 8759 | 8-9 | 13-4331 | 25-5378 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.999 | 8650 | 8-7 | 20-3978 | 8-4596 | 56.777 | 8761 | 8-1 | 14-7201 | 18-7428 | 57.254 | 8864 | 8-9 | 12-0024 | 0-4458 | 56.692 | 8760 | 8-0 | 13-4695 | 10-6981 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 56.673 | 8762 | 8-6 | 14-8879 | 9-3229 | 57.291 | 8867 | 8-9 | 12-3687 | 5-0064 | 56.777 | 8761 | 8-1 | 14-7201 | 18-7428 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Reference No. | | | | Mag. | | | | Standard co-ordinates, 1900-0. | | | | | | | |
|--|------|----------|---------|---------|--------|------|-----|--------------------------------|---------|----------|------|-----|---------|---------|--|
| Hyd. | | Algiers. | | ℓ'. | | n'. | | Hyd. | | Algiers. | | ℓ'. | | n'. | |
| R.A. 20 ^h 36 ^m (continued) | | | | | | | | | | | | | | | |
| 57,255 | 8869 | 8-9 | 12-4188 | 0-8249 | 57,948 | 8983 | 9-1 | 12-2078 | 3-7382 | 58,507 | 9105 | 8-9 | 16-9302 | 0-8592 | |
| 57,407 | 8870 | 8-5 | 13-0580 | 17-0611 | 58,139 | 8984 | 9-1 | 12-4300 | 16-6548 | 58,554 | 9108 | 8-8 | 17-3487 | 7-2228 | |
| 57,280 | 8871 | 8-7 | 13-8373 | 3-8420 | 57,932 | 8986 | 8-7 | 12-6849 | 2-4115 | 58,726 | 9112 | 9-1 | 20-5016 | 22-0967 | |
| 57,451 | 8874 | 9-0 | 14-2488 | 20-0985 | 58,092 | 8987 | 9-1 | 12-9523 | 14-0493 | 58,734 | 9115 | 9-2 | 22-4376 | 23-6115 | |
| 57,358 | 8875 | 8-9 | 14-5743 | 12-4084 | 58,169 | 8995 | 9-4 | 15-8725 | 19-2410 | 58,745 | 9118 | 8-7 | 23-0240 | 24-1040 | |
| 57,310 | 8876 | 7-5 | 15-7736 | 6-6127 | 58,170 | 8996 | 9-3 | 16-6515 | 19-4809 | 58,667 | 9120 | 9-1 | 23-1831 | 16-8078 | |
| 57,472 | 8878 | 8-6 | 16-4652 | 23-1436 | 58,142 | 8997 | 8-4 | 16-8763 | 16-6130 | 58,558 | 9123 | 9-1 | 24-0671 | 6-9810 | |
| 57,476 | 8883 | 9-2 | 17-8387 | 23-1065 | 57,952 | 8998 | 8-8 | 17-0875 | 3-9888 | 58,560 | 9125 | 9-1 | 24-7339 | 8-1233 | |
| 57,420 | 8885 | 9-0 | 18-0692 | 18-6804 | 58,184 | 8999 | 9-3 | 17-3698 | 16-6558 | 58,548 | 9128 | 6-6 | 25-3802 | 5-8872 | |
| 57,316 | 8886 | 8-7 | 18-1494 | 8-0451 | 58,186 | 9000 | 9-3 | 17-6070 | 19-7705 | | | | | | |
| 57,359 | 8887 | 9-0 | 18-3257 | 12-8491 | 58,156 | 9002 | 6-0 | 18-4339 | 18-0816 | | | | | | |
| 57,456 | 8891 | 7-5 | 19-2039 | 21-4396 | 58,259 | 9006 | 8-7 | 19-3550 | 24-9727 | | | | | | |
| 57,264 | 8892 | 9-1 | 19-3503 | 1-0466 | 58,158 | 9009 | 8-8 | 19-9070 | 17-9933 | | | | | | |
| 57,410 | 8895 | 8-9 | 21-1136 | 17-8891 | 57,925 | 9010 | 8-9 | 21-4394 | 1-6075 | | | | | | |
| 57,413 | 8901 | 9-0 | 23-7574 | 18-0300 | 58,147 | 9012 | 6-2 | 22-2391 | 0-9795 | | | | | | |
| 57,429 | 8903 | 8-8 | 24-5444 | 19-4364 | 58,014 | 9014 | 8-3 | 23-6681 | 16-7380 | | | | | | |
| 57,327 | 8905 | 8-8 | 25-2243 | 9-0244 | 58,109 | 9015 | 8-9 | 25-0603 | 7-6114 | | | | | | |
| 57,430 | 8908 | 8-8 | 25-4370 | 19-0566 | | | | | | | | | | | |
| R.A. 20 ^h 44 ^m | | | | | | | | | | | | | | | |
| 57,759 | 8901 | 9-0 | 1-1109 | 18-0366 | 58,413 | 9014 | 8-3 | 1-0159 | 16-7456 | 59,055 | 9118 | 8-7 | 0-4555 | 24-1191 | |
| 57,774 | 8903 | 8-8 | 1-8028 | 10-4341 | 58,343 | 9015 | 8-9 | 2-3043 | 7-0037 | 58,971 | 9120 | 9-1 | 0-5316 | 16-8210 | |
| 57,645 | 8905 | 8-8 | 2-4843 | 9-0149 | 58,435 | 9016 | 8-8 | 2-5037 | 20-6815 | 58,855 | 9123 | 9-1 | 1-3040 | 6-0845 | |
| 57,775 | 8908 | 8-8 | 2-8100 | 19-0420 | 58,324 | 9022 | 8-9 | 3-0838 | 5-1223 | 58,868 | 9125 | 9-1 | 1-0838 | 8-1193 | |
| 57,712 | 8911 | 8-6 | 3-8305 | 15-1030 | 58,303 | 9023 | 9-0 | 3-9427 | 0-9601 | 58,846 | 9128 | 6-6 | 2-6045 | 5-8763 | |
| 57,804 | 8913 | 8-1 | 4-2835 | 22-0547 | 58,438 | 9025 | 6-8 | 4-7220 | 20-7234 | 58,941 | 9129 | 8-7 | 3-2715 | 14-2961 | |
| 57,602 | 8916 | 9-1 | 4-9742 | 5-5560 | 58,464 | 9027 | 9-1 | 5-2995 | 25-4634 | 58,801 | 9133 | 9-2 | 4-3407 | 0-4446 | |
| 57,690 | 8919 | 8-6 | 6-4445 | 12-8408 | 58,439 | 9028 | 8-6 | 5-7405 | 21-5509 | 58,828 | 9143 | 9-1 | 9-1430 | 3-5703 | |
| 57,788 | 8920 | 6-4 | 8-7866 | 20-5361 | 58,350 | 9029 | 8-9 | 5-6797 | 8-3891 | 58,975 | 9144 | 8-9 | 9-2543 | 17-2829 | |
| 57,633 | 8923 | 7-7 | 9-4024 | 7-8180 | 58,466 | 9033 | 8-6 | 7-8035 | 25-1695 | 59,017 | 9148 | 8-6 | 12-0055 | 20-0752 | |
| 57,634 | 8924 | 7-3 | 9-4499 | 7-8406 | 58,346 | 9036 | 9-1 | 8-1790 | 7-4109 | 58,963 | 9149 | 8-7 | 12-0767 | 15-9949 | |
| 57,817 | 8926 | 9-1 | 10-1760 | 23-1888 | 58,335 | 9037 | 7-0 | 8-4068 | 7-0910 | 59,060 | 9151 | 8-7 | 12-2860 | 24-4272 | |
| 57,635 | 8930 | 8-7 | 12-0048 | 8-0624 | 58,351 | 9038 | 8-9 | 8-6037 | 8-0784 | 59,043 | 9152 | 8-9 | 12-6839 | 20-3950 | |
| 57,606 | 8931 | 6-7 | 12-0653 | 5-8583 | 58,375 | 9039 | 8-6 | 8-9342 | 12-0411 | 59,035 | 9159 | 9-2 | 14-0234 | 5-0076 | |
| 57,842 | 8935 | 9-1 | 15-1683 | 25-7396 | | | | | | 58,993 | 9162 | 9-0 | 18-1838 | 9-5793 | |
| 57,639 | 8937 | 9-3 | 16-2490 | 8-2668 | | | | | | 59,065 | 9164 | 9-1 | 20-0549 | 25-5969 | |
| 57,582 | 8939 | 8-7 | 16-8493 | 2-5954 | | | | | | 59,066 | 9167 | 9-1 | 21-5543 | 25-3415 | |
| 57,828 | 8940 | 9-1 | 16-8665 | 24-5544 | | | | | | 58,990 | 9176 | 7-9 | 24-6566 | 13-2481 | |
| 57,770 | 8947 | 8-9 | 19-0437 | 18-4017 | | | | | | | | | | | |
| 57,845 | 8948 | 7-4 | 20-1859 | 25-2340 | | | | | | | | | | | |
| 57,708 | 8950 | 8-6 | 20-4877 | 14-4325 | | | | | | | | | | | |
| 57,831 | 8951 | 8-5 | 20-7443 | 23-8774 | | | | | | | | | | | |
| 57,558 | 8952 | 8-8 | 22-4212 | 0-2257 | | | | | | | | | | | |
| 57,783 | 8956 | 6-9 | 23-8582 | 18-0282 | | | | | | | | | | | |
| 57,667 | 8958 | 8-8 | 24-4426 | 10-1543 | | | | | | | | | | | |
| 57,757 | 8960 | 7-9 | 25-4658 | 17-5391 | | | | | | | | | | | |
| R.A. 20 ^h 52 ^m | | | | | | | | | | | | | | | |
| 58,161 | 8956 | 6-9 | 1-2309 | 18-9335 | 58,593 | 9076 | 9-2 | 1-2854 | 10-9357 | 59,226 | 9176 | 7-9 | 1-9647 | 13-2446 | |
| 58,027 | 8958 | 8-8 | 1-7156 | 10-1534 | 58,595 | 9078 | 8-8 | 3-7235 | 11-4041 | 59,143 | 9179 | 9-0 | 3-3298 | 5-2192 | |
| 58,150 | 8960 | 7-9 | 2-8225 | 17-5168 | 58,582 | 9079 | 7-9 | 4-2113 | 9-8674 | 59,177 | 9180 | 8-7 | 3-5792 | 7-9936 | |
| 58,121 | 8962 | 8-7 | 4-0871 | 15-7665 | 58,674 | 9081 | 9-2 | 5-5131 | 17-9238 | 59,144 | 9183 | 8-9 | 4-3498 | 4-7480 | |
| 58,002 | 8965 | 8-8 | 4-5422 | 7-3656 | 58,542 | 9082 | 9-0 | 6-9269 | 6-3528 | 59,169 | 9185 | 9-2 | 5-5345 | 6-8324 | |
| 58,103 | 8967 | 6-8 | 4-7501 | 15-0891 | 58,565 | 9086 | 9-0 | 8-5391 | 8-3775 | 59,205 | 9186 | 8-9 | 5-6346 | 10-9102 | |
| 57,961 | 8968 | 6-0 | 4-8744 | 4-6425 | 58,600 | 9088 | 9-1 | 10-4164 | 10-8540 | 59,293 | 9187 | 8-1 | 5-7454 | 18-8085 | |
| 58,138 | 8971 | 9-1 | 6-6881 | 16-9016 | 58,677 | 9092 | 9-3 | 13-3254 | 17-7804 | 59,338 | 9189 | 8-7 | 6-2259 | 21-9562 | |
| 58,152 | 8973 | 9-0 | 7-4213 | 17-8800 | 58,505 | 9094 | 8-2 | 13-5327 | 0-7235 | 59,310 | 9192 | 9-2 | 7-7849 | 20-3934 | |
| 58,074 | 8974 | 8-2 | 7-4986 | 12-5558 | 50,506 | 9097 | 8-5 | 14-0695 | 1-2752 | 59,241 | 9196 | 9-2 | 9-9365 | 14-2260 | |
| 58,153 | 8976 | 8-5 | 8-4615 | 17-9864 | 58,653 | 9098 | 9-2 | 14-3079 | 16-2127 | 59,376 | 9200 | 8-8 | 11-4928 | 24-2381 | |
| 58,107 | 8982 | 8-8 | 11-6913 | 15-0144 | 58,533 | 9100 | 8-5 | 15-5876 | 4-8256 | 59,200 | 9203 | 9-1 | 13-7053 | 10-4484 | |
| R.A. 21 ^h 8 ^m (continued) | | | | | | | | | | | | | | | |
| 58,507 | 9105 | 8-9 | 16-9302 | 0-8592 | 58,593 | 9076 | 9-2 | 1-2854 | 10-9357 | 59,314 | 9204 | 7-2 | 14-0769 | 20-0995 | |
| 58,554 | 9108 | 8-8 | 17-3487 | 7-2228 | 58,595 | 9078 | 8-8 | 3-7235 | 11-4041 | 59,340 | 9207 | 9-0 | 17-6470 | 7-8385 | |
| 58,726 | 9112 | 9-1 | 20-5016 | 22-0967 | 58,582 | 9079 | 7-9 | 4-2113 | 9-8674 | 59,182 | 9205 | 9-1 | 19-1126 | 22-1668 | |
| 58,734 | 9115 | 9-2 | 22-4376 | 23-6115 | 58,674 | 9081 | 9-2 | 5-5131 | 17-9238 | 59,342 | 9208 | 9-0 | 18-1771 | 21-1301 | |
| 58,745 | 9118 | 8-7 | 23-0240 | 24-1040 | 58,542 | 9082 | 9-0 | 6-9269 | 6-3528 | 59,330 | 9209 | 7-9 | 20-2265 | 9-1880 | |
| 58,667 | 9120 | 9-1 | 23-1831 | 16-8078 | 58,565 | 9086 | 9-0 | 8-5391 | 8-3775 | 59,289 | 9213 | 9-1 | 20-7628 | 18-6406 | |
| 58,558 | 9123 | 9-1 | 24-0671 | 6-9810 | 58,600 | 9088 | 9-1 | 10-4164 | 10-8540 | 59,233 | 9217 | 9-0 | 22-1600 | 13-2677 | |
| 58,560 | 9125 | 9-1 | 24-7339 | 8-1233 | 58,677 | 9092 | 9-3 | 13-3254 | 17-7804 | 59,234 | 9221 | 8-5 | 23-3024 | 13-1466 | |
| 58,548 | 9128 | 6-6 | 25-3802 | 5-8872 | 58,505 | 9094 | 8-2 | 13-5327 | 0-7235 | 59,393 | 9223 | 9-1 | 23-7710 | 18-8413 | |
| R.A. 21 ^h 16 ^m | | | | | | | | | | | | | | | |
| 59,055 | 9118 | 8-7 | 0-4555 | 24-1191 | 58,593 | 9076 | 9-2 | 1-2854 | 10-9357 | 59,152 | 9226 | 9-0 | 25-2992 | 4-7713 | |
| 58,971 | 9120 | 9-1 | 0-5316 | 16-8210 | 58,595 | 9078 | 8-8 | 3-7235 | 11-4041 | | | | | | |
| 58,855 | 9123 | 9-1 | 1-3040 | 6-0845 | 58,582 | 9079 | 7-9 | 4-2113 | 9-8674 | | | | | | |
| 58,868 | 9125 | 9-1 | 1-0838 | 8-1193 | 58,674 | 9081 | 9-2 | 5-5131 | 17-9238 | | | | | | |
| 58,846 | 9128 | 6-6 | 2-6045 | 5-8763 | 58,542 | 9082 | 9-0 | 6-9269 | 6-3528 | | | | | | |
| 58,941 | 9129 | 8-7 | 3-2715 | 14-2961 | 58,565 | 9086 | 9-0 | 8-5391 | 8-3775 | | | | | | |
| 58,801 | 9133 | 9-2 | 4-3407 | 0-4446 | 58,600 | 9088 | 9-1 | 10-4164 | 10-8540 | | | | | | |
| 58,828 | 9143 | 9-1 | 9-1430 | 3-5703 | 58,677 | 9092 | 9-3 | 13-3254 | 17-7804 | | | | | | |
| 58,975 | 9144 | 8-9 | 9-2543 | 17-2829 | 58,505 | 9094 | 8-2 | 13-5327 | 0-7235 | | | | | | |
| 59,017 | 9148 | 8-6 | 12-0055 | 20-0752 | 50,506 | 9097 | 8-5 | 14-0695 | 1-2752 | | | | | | |
| 58,963 | 9149 | 8-7 | 12-0767 | 15-9949 | 58,653 | 9098 | 9-2 | 14-3079 | 16-2127 | | | | | | |
| 59,060 | 9151 | 8-7 | 12-2860 | 24-4272 | 58,533 | 9100 | 8-5 | 15-5876 | 4-8256 | | | | | | |
| 59,043 | 9152 | 8-9 | 12-6839 | 20-3950 | | | | | | | | | | | |
| 59,035 | 9159 | 9-2 | 14-0234 | 5-0076 | | | | | | | | | | | |
| 58,993 | 9162 | 9-0 | 18-1838 | 9-5793 | | | | | | | | | | | |
| 59,065 | 9164 | 9-1 | 20-0549 | 25-5969 | | | | | | | | | | | |
| 59,066 | 9167 | 9-1 | 21-5543 | 25-3415 | | | | | | | | | | | |
| 58,990 | 9176 | 7-9 | 24-6566 | 13-2481 | | | | | | | | | | | |
| R.A. 21 ^h 24 ^m | | | | | | | | | | | | | | | |
| 59,226 | 9176 | 7-9 | | | | | | | | | | | | | |

| Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | | Reference No. | | Mag. | Standard co-ordinates, 1900-0. | |
|--------------------------------------|------|----------|-----------------------------------|---------|--|------|----------|-----------------------------------|---------|---|------|----------|-----------------------------------|---------|
| Hyd. | | Algiers. | ξ. | η. | Hyd. | | Algiers. | ξ. | η. | Hyd. | | Algiers. | ξ. | η. |
| R.A. 21 ^h 32 ^m | | | | | R.A. 21 ^h 48 ^m (continued) | | | | | R.A. 22 ^h 4 ^m (continued) | | | | |
| 59,533 | 9221 | 8.5 | 0-6094 | 13-1584 | 60,207 | 9331 | 9-1 | 6-9275 | 16-8202 | 60,601 | 9433 | 9-2 | 19-2037 | 13-3094 |
| 59,603 | 9223 | 9-1 | 1-1426 | 18-8477 | 60,185 | 9332 | 6-6 | 7-7381 | 14-0746 | 60,553 | 9435 | 9-1 | 19-6168 | 6-5974 |
| 59,439 | 9226 | 9-0 | 2-5018 | 4-7614 | 60,208 | 9334 | 8-9 | 8-0740 | 16-7159 | 60,570 | 9436 | 9-2 | 21-0645 | 8-4748 |
| 59,627 | 9229 | 8-7 | 4-2462 | 20-6995 | 60,241 | 9335 | 9-0 | 9-0031 | 20-2360 | 60,554 | 9437 | 8-7 | 21-8010 | 7-2760 |
| 59,430 | 9230 | 9-0 | 4-3955 | 4-1112 | 60,273 | 9337 | 7-9 | 10-5182 | 24-9101 | 60,592 | 9444 | 9-0 | 25-0317 | 12-4374 |
| 59,628 | 9238 | 8-3 | 6-5678 | 21-2920 | 60,153 | 9338 | 9-1 | 10-8677 | 11-1142 | R.A. 22 ^h 12 ^m | | | | |
| 59,556 | 9239 | 8-5 | 7-1996 | 15-6072 | 60,154 | 9339 | 9-2 | 10-8944 | 11-2338 | 60,804 | 9444 | 9-0 | 2-3306 | 12-4297 |
| 59,510 | 9243 | 8-3 | 9-5980 | 11-0742 | 60,242 | 9342 | 8-6 | 11-5413 | 20-4458 | 60,859 | 9447 | 7-4 | 4-1241 | 21-9420 |
| 59,477 | 9244 | 9-2 | 9-9252 | 8-1212 | 60,065 | 9343 | 9-1 | 12-9463 | 1-2562 | 60,760 | 9451 | 9-0 | 4-7941 | 3-9119 |
| 59,547 | 9247 | 9-1 | 10-5167 | 14-2692 | 60,067 | 9348 | 8-7 | 14-9960 | 1-6016 | 60,817 | 9452 | 8-8 | 5-2718 | 15-2861 |
| 59,553 | 9248 | 7-5 | 11-2750 | 15-2840 | 60,141 | 9350 | 8-9 | 18-2582 | 9-5638 | 60,826 | 9454 | 9-2 | 5-5802 | 16-5440 |
| 59,607 | 9249 | 4-7 | 11-5387 | 23-0729 | 60,262 | 9352 | 8-9 | 18-7778 | 23-5268 | 60,787 | 9460 | 9-1 | 8-0730 | 8-6562 |
| 59,524 | 9252 | 8-0 | 12-3642 | 11-0431 | 60,269 | 9355 | 8-9 | 21-2093 | 24-1217 | 60,754 | 9464 | 9-2 | 9-3771 | 1-1602 |
| 59,632 | 9254 | 7-8 | 13-1041 | 21-1584 | 60,103 | 9361 | 7-4 | 22-2807 | 5-4838 | 60,788 | 9468 | 8-4 | 13-2591 | 8-9393 |
| 59,603 | 9255 | 9-1 | 13-2073 | 25-8042 | 60,253 | 9362 | 7-5 | 23-0132 | 21-0147 | 60,781 | 9471 | 8-9 | 14-8486 | 6-7799 |
| 59,500 | 9257 | 8-9 | 14-1440 | 10-4234 | 60,199 | 9363 | 9-0 | 23-2578 | 15-2933 | 60,753 | 9481 | 9-1 | 20-1975 | 0-6045 |
| 59,557 | 9258 | 8-6 | 16-1489 | 14-6192 | 60,218 | 9364 | 8-7 | 23-6787 | 17-4906 | 60,856 | 9482 | 8-9 | 21-6256 | 21-4865 |
| 59,606 | 9259 | 7-8 | 16-4956 | 25-9118 | R.A. 21 ^h 56 ^m | | | | | 60,807 | 9485 | 8-7 | 24-2042 | 13-1524 |
| 59,528 | 9261 | 9-0 | 18-2040 | 11-6043 | 60,432 | 9362 | 7-5 | 0-4096 | 21-0299 | R.A. 22 ^h 20 ^m | | | | |
| 59,512 | 9262 | 9-0 | 18-4714 | 11-4395 | 60,388 | 9363 | 9-0 | 0-5892 | 15-3056 | 60,993 | 9485 | 8-7 | 1-5112 | 13-1541 |
| 59,637 | 9263 | 8-8 | 18-4663 | 21-0201 | 60,409 | 9364 | 8-7 | 1-0351 | 17-4979 | 61,069 | 9489 | 7-8 | 3-2459 | 24-2781 |
| 59,480 | 9264 | 9-2 | 18-6323 | 7-7414 | 60,318 | 9369 | 9-0 | 3-3051 | 2-1852 | 61,061 | 9491 | 8-7 | 5-0741 | 23-2723 |
| 59,520 | 9267 | 8-8 | 20-4439 | 11-6185 | 60,445 | 9370 | 9-0 | 4-2254 | 23-3443 | 60,914 | 9498 | 7-4 | 10-5512 | 2-1942 |
| 59,586 | 9268 | 7-5 | 21-5111 | 17-2032 | 60,383 | 9371 | 8-9 | 4-2654 | 13-4512 | 61,019 | 9500 | 9-2 | 12-3677 | 18-1732 |
| 59,419 | 9269 | 9-3 | 21-6099 | 1-6522 | 60,446 | 9374 | 8-7 | 6-1932 | 22-6050 | 60,981 | 9506 | 8-8 | 14-8562 | 11-3632 |
| 59,408 | 9271 | 9-0 | 23-4338 | 1-0618 | 60,340 | 9378 | 8-1 | 7-1998 | 6-6943 | 60,908 | 9507 | 8-9 | 15-0914 | 1-3147 |
| R.A. 21 ^h 40 ^m | | | | | 60,353 | 9379 | 9-4 | 7-5541 | 9-1519 | 60,996 | 9508 | 8-7 | 15-4256 | 13-8678 |
| 59,752 | 9271 | 9-0 | 0-6034 | 1-0724 | 60,442 | 9385 | 8-8 | 12-1804 | 22-5145 | 60,953 | 9510 | 8-0 | 15-4778 | 7-1970 |
| 59,023 | 9278 | 5-7 | 4-7188 | 16-8835 | 60,304 | 9386 | 7-8 | 12-5139 | 0-9582 | 60,910 | 9511 | 8-9 | 15-0806 | 1-3520 |
| 59,842 | 9280 | 8-8 | 5-4289 | 10-1251 | 60,305 | 9389 | 8-9 | 13-8255 | 0-2304 | 60,920 | 9512 | 8-9 | 16-1666 | 3-6760 |
| 60,020 | 9283 | 6-8 | 6-3249 | 25-9447 | 60,335 | 9391 | 6-6 | 14-9749 | 5-6037 | 61,003 | 9513 | 9-2 | 16-7943 | 14-9174 |
| 59,888 | 9286 | 8-7 | 8-2359 | 13-5034 | 60,330 | 9397 | 8-3 | 20-6875 | 4-5811 | 60,926 | 9514 | 9-2 | 17-4179 | 4-4830 |
| 60,091 | 9287 | 8-4 | 8-6081 | 24-6015 | 60,316 | 9400 | 9-4 | 22-3595 | 1-4969 | 61,065 | 9515 | 8-5 | 17-5051 | 23-1804 |
| 59,828 | 9288 | 8-9 | 8-6165 | 8-6773 | 60,427 | 9401 | 8-7 | 22-5101 | 19-7468 | 61,056 | 9518 | 9-0 | 17-8542 | 22-2453 |
| 60,012 | 9291 | 9-0 | 10-0571 | 24-8295 | 60,408 | 9402 | 9-1 | 23-5250 | 16-8530 | 61,074 | 9519 | 8-8 | 17-9535 | 24-4312 |
| 59,769 | 9292 | 9-4 | 10-0381 | 24-2366 | 60,323 | 9403 | 9-1 | 23-7843 | 3-2154 | 60,921 | 9520 | 9-1 | 18-7092 | 3-1844 |
| 59,880 | 9296 | 9-1 | 12-4588 | 13-4464 | 60,394 | 9404 | 8-3 | 25-1998 | 14-8927 | 60,962 | 9523 | 8-8 | 20-5189 | 8-7595 |
| 59,798 | 9297 | 8-8 | 13-8880 | 6-3167 | 60,417 | 9406 | 9-0 | 25-4668 | 18-0512 | 61,011 | 9526 | 8-9 | 22-6465 | 15-8200 |
| 59,800 | 9298 | 7-9 | 15-6388 | 5-5801 | 60,349 | 9407 | 9-2 | 25-5677 | 8-0636 | R.A. 22 ^h 28 ^m | | | | |
| 59,821 | 9299 | 9-0 | 16-2241 | 8-4012 | R.A. 22 ^h 4 ^m | | | | | 61,171 | 9530 | 9-0 | 3-5099 | 12-0697 |
| 59,857 | 9300 | 8-6 | 16-7484 | 11-3198 | 60,623 | 9402 | 9-1 | 0-8741 | 16-8623 | 61,124 | 9531 | 8-7 | 5-1275 | 4-2797 |
| 59,045 | 9303 | 8-6 | 18-1419 | 19-1947 | 60,520 | 9403 | 9-1 | 0-9783 | 3-2222 | 61,232 | 9532 | 8-9 | 5-7461 | 21-0002 |
| 60,014 | 9306 | 7-9 | 18-9422 | 25-4937 | 60,613 | 9404 | 8-3 | 2-5265 | 14-8827 | 61,182 | 9533 | 9-2 | 6-5637 | 13-3141 |
| 59,917 | 9307 | 8-7 | 19-0443 | 16-4643 | 60,630 | 9406 | 9-0 | 2-8294 | 18-0379 | 61,243 | 9534 | 9-3 | 6-6972 | 24-9855 |
| 59,835 | 9308 | 7-5 | 19-2750 | 9-1254 | 60,556 | 9407 | 9-2 | 2-8168 | 8-0503 | 61,116 | 9538 | 9-0 | 9-1641 | 2-9187 |
| 59,860 | 9310 | 8-9 | 20-8083 | 10-9858 | 60,711 | 9409 | 8-0 | 7-1195 | 25-6948 | 61,107 | 9539 | 7-0 | 12-0047 | 1-1827 |
| 59,093 | 9313 | 8-9 | 21-7935 | 23-5314 | 60,539 | 9413 | 8-4 | 8-4385 | 6-0375 | 61,238 | 9540 | 9-1 | 12-1579 | 23-8708 |
| 59,864 | 9317 | 7-5 | 23-7695 | 11-2500 | 60,533 | 9414 | 8-1 | 9-4792 | 4-8629 | 61,101 | 9541 | 8-6 | 12-1622 | 0-3811 |
| 59,896 | 9318 | 8-9 | 24-3715 | 13-9572 | 60,667 | 9415 | 8-8 | 9-7548 | 19-8879 | 61,243 | 9542 | 9-1 | 12-7130 | 22-3063 |
| 59,897 | 9319 | 9-3 | 24-3878 | 14-4580 | 60,542 | 9417 | 9-3 | 11-5243 | 5-6686 | 61,125 | 9543 | 8-0 | 12-9217 | 4-4393 |
| 59,907 | 9322 | 8-9 | 25-6011 | 15-0228 | 60,597 | 9418 | 6-0 | 11-5837 | 13-1098 | 61,299 | 9544 | 8-5 | 15-0010 | 23-5422 |
| R.A. 21 ^h 48 ^m | | | | | 60,599 | 9419 | 8-6 | 11-9167 | 12-6913 | 61,199 | 9545 | 8-5 | 15-1739 | 15-4292 |
| 60,146 | 9317 | 7-5 | 1-0458 | 11-2568 | 60,652 | 9420 | 9-0 | 12-5357 | 18-7340 | 61,224 | 9546 | 8-5 | 15-7793 | 19-7985 |
| 60,181 | 9318 | 8-9 | 1-6874 | 13-9568 | 60,585 | 9421 | 8-7 | 12-9636 | 12-2920 | 61,113 | 9547 | 8-8 | 16-1809 | 1-2780 |
| 60,182 | 9319 | 9-3 | 1-7096 | 14-4574 | 60,543 | 9424 | 9-1 | 14-2915 | 5-7491 | | | | | |
| 60,192 | 9322 | 8-9 | 2-9292 | 15-0083 | 60,552 | 9425 | 8-2 | 14-7779 | 6-8153 | | | | | |
| 60,129 | 9324 | 9-2 | 3-6358 | 8-9301 | 60,640 | 9431 | 9-2 | 18-1402 | 18-0125 | | | | | |
| 60,109 | 9326 | 9-0 | 4-8228 | 6-7698 | 60,616 | 9432 | 9-2 | 18-5520 | 14-9308 | | | | | |

| Reference No. | | | | | Mag. | | | | | Standard co-ordinates, 1900-0. | | | | | Reference No. | | | | | Mag. | | | | | Standard co-ordinates, 1900-0. | | | | | Reference No. | | | | | Mag. | | | | | Standard co-ordinates, 1900-0. | | | | |
|--|------|----------|---------|---------|------|--|----|--|--|--------------------------------|------|----------|---------|---------|--|--|----|--|--------|--------|------|----------|---------|---------|--------------------------------|--|----|--|--|--|--|----------|--|--|------|--|----|--|--|--------------------------------|--|--|--|--|
| Hyd. | | Algiers. | | | ξ. | | η. | | | Hyd. | | Algiers. | | | ξ. | | η. | | | Hyd. | | Algiers. | | | ξ. | | η. | | | Hyd. | | Algiers. | | | ξ. | | η. | | | | | | | |
| R.A. 22 ^h 28 ^m (continued) | | | | | | | | | | | | | | | R.A. 22 ^h 52 ^m (continued) | | | | | | | | | | | | | | | R.A. 23 ^h 08 ^m (continued) | | | | | | | | | | | | | | |
| 61,153 | 9550 | 8-8 | 16-6782 | 8-8100 | | | | | | 61,797 | 9653 | 7-0 | 3-7634 | 21-5086 | | | | | | 62,041 | 9770 | 7-8 | 24-0078 | 9-5621 | | | | | | | | | | | | | | | | | | | | |
| 61,176 | 9552 | 8-6 | 17-9840 | 12-2052 | | | | | | 61,792 | 9654 | 9-3 | 4-7484 | 19-9371 | | | | | | 62,092 | 9771 | 9-2 | 24-1594 | 16-8365 | | | | | | | | | | | | | | | | | | | | |
| 61,120 | 9554 | 8-3 | 19-3109 | 4-9400 | | | | | | 61,818 | 9657 | 9-1 | 6-1046 | 23-1315 | | | | | | 62,093 | 9772 | 9-1 | 25-5447 | 16-6141 | | | | | | | | | | | | | | | | | | | | |
| 61,118 | 9555 | 6-9 | 19-5181 | 2-6637 | | | | | | 61,731 | 9662 | 9-1 | 9-5733 | 11-8136 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61,102 | 9556 | 6-5 | 19-9378 | 0-7281 | | | | | | 61,733 | 9762 | 8-6 | 14-7810 | 11-8045 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61,114 | 9558 | 9-3 | 20-0217 | 1-0726 | | | | | | 61,787 | 9673 | 8-1 | 15-0234 | 19-0882 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61,157 | 9561 | 8-8 | 21-9531 | 8-9047 | | | | | | 61,765 | 9674 | 8-9 | 15-1125 | 15-8944 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61,169 | 9562 | 7-7 | 22-1401 | 10-4880 | | | | | | 61,675 | 9675 | 8-2 | 15-3809 | 3-7368 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61,209 | 9565 | 9-0 | 23-0106 | 17-8754 | | | | | | 61,734 | 9676 | 8-6 | 15-4684 | 12-1118 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R.A. 22 ^h 36 ^m | | | | | | | | | | | | | | | R.A. 23 ^h 0 ^m | | | | | | | | | | | | | | | R.A. 23 ^h 16 ^m | | | | | | | | | | | | | | |
| 61,392 | 9565 | 9-0 | 0-3713 | 17-8966 | | | | | | 61,981 | 9685 | 7-5 | 0-5541 | 23-6482 | | | | | | 62,258 | 9768 | 7-4 | 0-8423 | 18-0667 | | | | | | | | | | | | | | | | | | | | |
| 61,393 | 9572 | 9-2 | 5-3893 | 17-6142 | | | | | | 61,976 | 9686 | 9-2 | 1-3582 | 21-7520 | | | | | | 62,200 | 9770 | 7-8 | 1-2740 | 9-5661 | | | | | | | | | | | | | | | | | | | | |
| 61,402 | 9573 | 9-3 | 6-0392 | 19-0629 | | | | | | 61,994 | 9687 | 8-8 | 2-0473 | 11-1378 | | | | | | 62,250 | 9771 | 9-2 | 1-5083 | 16-8384 | | | | | | | | | | | | | | | | | | | | |
| 61,324 | 9574 | 8-7 | 6-5558 | 4-8280 | | | | | | 61,899 | 9688 | 9-2 | 2-7951 | 10-0364 | | | | | | 62,278 | 9779 | 8-4 | 7-8802 | 14-2298 | | | | | | | | | | | | | | | | | | | | |
| 61,417 | 9576 | 8-7 | 8-0943 | 20-7536 | | | | | | 61,919 | 9691 | 8-9 | 3-0157 | 13-0753 | | | | | | 62,278 | 9779 | 8-4 | 7-8802 | 14-2298 | | | | | | | | | | | | | | | | | | | | |
| 61,333 | 9578 | 9-1 | 8-0775 | 6-7651 | | | | | | 61,986 | 9692 | 8-8 | 3-9699 | 24-6796 | | | | | | 62,247 | 9783 | 9-2 | 11-6623 | 22-4047 | | | | | | | | | | | | | | | | | | | | |
| 61,423 | 9579 | 7-2 | 9-1655 | 21-6216 | | | | | | 61,956 | 9693 | 8-6 | 4-4420 | 18-7963 | | | | | | 62,271 | 9784 | 8-1 | 12-0613 | 19-4427 | | | | | | | | | | | | | | | | | | | | |
| 61,326 | 9580 | 8-9 | 9-2344 | 4-9471 | | | | | | 61,923 | 9695 | 7-0 | 5-3574 | 13-9674 | | | | | | 62,229 | 9785 | 7-8 | 12-0852 | 14-0895 | | | | | | | | | | | | | | | | | | | | |
| 61,396 | 9583 | 9-4 | 11-1929 | 17-9866 | | | | | | 61,984 | 9702 | 8-5 | 7-6131 | 23-2134 | | | | | | 62,167 | 9786 | 8-7 | 12-1204 | 24-6034 | | | | | | | | | | | | | | | | | | | | |
| 61,371 | 9584 | 8-7 | 14-3273 | 14-0134 | | | | | | 61,990 | 9703 | 9-0 | 7-6372 | 25-1839 | | | | | | 62,161 | 9788 | 8-8 | 13-3375 | 1-7671 | | | | | | | | | | | | | | | | | | | | |
| 61,365 | 9586 | 8-6 | 14-8504 | 12-5112 | | | | | | 61,962 | 9705 | 8-7 | 11-8871 | 20-5849 | | | | | | 62,278 | 9797 | 8-3 | 20-0292 | 20-9120 | | | | | | | | | | | | | | | | | | | | |
| 61,330 | 9592 | 8-7 | 18-3260 | 5-1365 | | | | | | 61,921 | 9708 | 9-1 | 14-0378 | 11-8183 | | | | | | 62,183 | 9798 | 7-2 | 20-4848 | 5-0751 | | | | | | | | | | | | | | | | | | | | |
| 61,427 | 9593 | 9-0 | 19-0954 | 23-4815 | | | | | | 61,988 | 9709 | 9-4 | 14-9200 | 15-3140 | | | | | | 62,171 | 9800 | 8-5 | 22-4608 | 3-1517 | | | | | | | | | | | | | | | | | | | | |
| 61,388 | 9594 | 5-3 | 19-2457 | 17-2553 | | | | | | 61,921 | 9699 | 9-1 | 6-7704 | 12-6015 | | | | | | 62,247 | 9801 | 6-3 | 21-1018 | 15-8817 | | | | | | | | | | | | | | | | | | | | |
| 61,314 | 9595 | 8-8 | 19-9469 | 2-5024 | | | | | | 61,984 | 9702 | 8-5 | 7-6131 | 23-2134 | | | | | | 62,172 | 9804 | 8-5 | 22-4608 | 3-1517 | | | | | | | | | | | | | | | | | | | | |
| 61,311 | 9596 | 8-9 | 20-1342 | 1-5603 | | | | | | 61,990 | 9703 | 9-0 | 7-6372 | 25-1839 | | | | | | 62,200 | 9805 | 9-3 | 22-3802 | 23-5043 | | | | | | | | | | | | | | | | | | | | |
| 61,354 | 9597 | 8-6 | 20-3404 | 10-6804 | | | | | | 61,962 | 9705 | 8-7 | 11-8871 | 20-5849 | | | | | | 62,174 | 9810 | 8-5 | 23-9618 | 3-1473 | | | | | | | | | | | | | | | | | | | | |
| 61,429 | 9599 | 8-0 | 20-0623 | 23-5807 | | | | | | 61,931 | 9709 | 9-4 | 14-9200 | 15-3140 | | | | | | 62,107 | 9811 | 8-4 | 24-2477 | 8-7712 | | | | | | | | | | | | | | | | | | | | |
| 61,413 | 9600 | 8-8 | 21-0902 | 20-3885 | | | | | | 61,991 | 9711 | 8-6 | 16-7190 | 24-9866 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61,430 | 9602 | 9-0 | 22-0769 | 22-8642 | | | | | | 61,927 | 9714 | 9-3 | 17-5738 | 14-3440 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61,389 | 9603 | 8-6 | 22-9287 | 17-1649 | | | | | | 61,980 | 9717 | 8-6 | 20-7305 | 18-9784 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R.A. 22 ^h 44 ^m | | | | | | | | | | | | | | | R.A. 23 ^h 08 ^m | | | | | | | | | | | | | | | R.A. 23 ^h 24 ^m | | | | | | | | | | | | | | |
| 61,556 | 9603 | 8-6 | 0-2814 | 17-1810 | | | | | | 61,947 | 9720 | 8-4 | 22-6078 | 16-5336 | | | | | | 62,373 | 9810 | 8-5 | 1-1552 | 3-1521 | | | | | | | | | | | | | | | | | | | | |
| 61,497 | 9608 | 9-2 | 3-5748 | 8-5720 | | | | | | 61,964 | 9721 | 9-1 | 22-8654 | 20-0562 | | | | | | 62,403 | 9811 | 8-9 | 1-5049 | 8-7727 | | | | | | | | | | | | | | | | | | | | |
| 61,514 | 9610 | 7-8 | 4-8927 | 10-7780 | | | | | | 61,857 | 9722 | 8-9 | 23-2824 | 0-7939 | | | | | | 62,496 | 9815 | 8-4 | 4-2367 | 24-0985 | | | | | | | | | | | | | | | | | | | | |
| 61,459 | 9616 | 6-8 | 7-4484 | 1-0423 | | | | | | 61,933 | 9725 | 8-7 | 24-6763 | 15-0628 | | | | | | 62,460 | 9820 | 9-3 | 7-1333 | 17-6346 | | | | | | | | | | | | | | | | | | | | |
| 61,460 | 9617 | 8-6 | 7-6166 | 2-3711 | | | | | | 61,975 | 9726 | 9-2 | 25-3542 | 21-3718 | | | | | | 62,460 | 9820 | 9-3 | 7-1333 | 17-6346 | | | | | | | | | | | | | | | | | | | | |
| 61,577 | 9618 | 8-6 | 7-8320 | 21-2966 | | | | | | | | | | | | | | | 62,366 | 9822 | 9-4 | 7-6502 | 2-7274 | | | | | | | | | | | | | | | | | | | | | |
| 61,488 | 9620 | 8-3 | 8-0016 | 8-3200 | | | | | | 62,001 | 9722 | 8-9 | 0-1480 | 0-7162 | | | | | | 62,460 | 9829 | 9-2 | 12-5202 | 16-9080 | | | | | | | | | | | | | | | | | | | | |
| 61,500 | 9621 | 8-9 | 8-8476 | 9-0979 | | | | | | 62,066 | 9725 | 8-7 | 20-0950 | 15-0588 | | | | | | 62,433 | 9830 | 8-8 | 14-5070 | 13-8033 | | | | | | | | | | | | | | | | | | | | |
| 61,566 | 9623 | 9-0 | 9-0895 | 19-0670 | | | | | | 62,112 | 9726 | 9-2 | 2-7545 | 21-3594 | | | | | | 62,460 | 9830 | 9-3 | 7-1333 | 17-6346 | | | | | | | | | | | | | | | | | | | | |
| 61,573 | 9626 | 9-0 | 11-5126 | 20-4499 | | | | | | 62,010 | 9727 | 8-8 | 3-2373 | 2-0167 | | | | | | 62,433 | 9830 | 8-8 | 14-5070 | 13-8033 | | | | | | | | | | | | | | | | | | | | |
| 61,534 | 9627 | 8-8 | 11-6306 | 14-0807 | | | | | | 62,077 | 9728 | 8-6 | 3-8845 | 15-9745 | | | | | | 62,460 | 9830 | 9-3 | 7-1333 | 17-6346 | | | | | | | | | | | | | | | | | | | | |
| 61,521 | 9630 | 8-9 | 13-0222 | 12-1510 | | | | | | 62,002 | 9729 | 8-6 | 3-9931 | 0-8950 | | | | | | 62,433 | 9830 | 8-8 | 14-5070 | 13-8033 | | | | | | | | | | | | | | | | | | | | |
| 61,560 | 9631 | 9-1 | 13-3770 | 17-0570 | | | | | | 62,014 | 9730 | 8-6 | 4-3902 | 3-2102 | | | | | | 62,460 | 9830 | 9-3 | 7-1333 | 17-6346 | | | | | | | | | | | | | | | | | | | | |
| 61,492 | 9633 | 8-9 | 14-9102 | 7-7868 | | | | | | 62,132 | 9731 | 9-3 | 4-6128 | 25-0765 | | | | | | 62,460 | 9830 | 9-3 | 7-1333 | 17-6346 | | | | | | | | | | | | | | | | | | | | |
| 61,476 | 9635 | 8-9 | 17-3726 | 5-2029 | | | | | | 62,101 | 9732 | 8-5 | 5-5622 | 2-2663 | | | | | | 62,460 | 9830 | 9-3 | 7-1333 | 17-6346 | | | | | | | | | | | | | | | | | | | | |
| 61,551 | 9636 | 8-6 | 17-4467 | 16-2234 | | | | | | 62,101 | 9732 | 8-5 | 5-5622 | 2-2663 | | | | | | 62,460 | 9830 | 9-3 | 7-1333 | 17-6346 | | | | | | | | | | | | | | | | | | | | |
| 61,592 | 9638 | 8-6 | 19-8182 | 25-0103 | | | | | | 62,127 | 9734 | 9-0 | 6-1404 | 18-6001 | | | | | | 62,460 | 9830 | 9-3 | 7-1333 | 17-6346 | | | | | | | | | | | | | | | | | | | | |
| 61,555 | 9639 | 8-7 | 20-0941 | 16-8167 | | | | | | 62,108 | 9736 | 9-0 | 6-5501 | 16-2770 | | | | | | 62,460 | 9830 | 9-3 | 7-1333 | 17-6346 | | | | | | | | | | | | | | | | | | | | |
| 61,562 | 9640 | 9-0 | 21-0664 | 18-7632 | | | | | | 62,067 | 9737 | 8-8 | 6-6391 | 15-2966 | | | | | | 62,460 | 9830 | 9-3 | 7-1333 | 17-6346 | | | | | | | | | | | | | | | | | | | | |
| 61,571 | 9644 | 7-6 | 22-1836 | 10-8417 | | | | | | 62,043 | 9739 | 9-2 | 8-3577 | 11-0914 | | | | | | 62,460 | 9830 | | | | | | | | | | | | | | | | | | | | | | | |

| Reference No. Mag. Standard co-ordinates, 1900-0. | | | | | Reference No. Mag. Standard co-ordinates, 1900-0. | | | | | Reference No. Mag. Standard co-ordinates, 1900-0. | | | | |
|---|----------|-----|---------|---------|---|----------|-----|---------|---------|---|----------|-----|---------|---------|
| Hyd. | Algiers. | ξ. | η. | | Hyd. | Algiers. | ξ. | η. | | Hyd. | Algiers. | ξ. | η. | |
| R.A. 23^h 32^m (continued) | | | | | R.A. 23^h 40^m (continued) | | | | | R.A. 23^h 48^m (continued) | | | | |
| 62,654 | 9880 | 9.2 | 20.7995 | 17.6916 | 62,828 | 9913 | 9.0 | 21.6400 | 20.5514 | 63,038 | 9943 | 8.9 | 17.9624 | 21.2527 |
| 62,668 | 9882 | 7.5 | 22.6003 | 19.5306 | 62,817 | 9914 | 7.6 | 22.4440 | 18.2993 | 63,012 | 9944 | 9.2 | 18.0307 | 16.5855 |
| 62,561 | 9883 | 9.1 | 24.0837 | 2.0040 | | | | | | 62,931 | 9948 | 7.9 | 19.4900 | 5.6352 |
| 62,635 | 9886 | 9.4 | 24.9207 | 14.1791 | R.A. 23^h 48^m | | | | | 62,936 | 9949 | 9.0 | 19.8959 | 6.5570 |
| 62,599 | 9887 | 4.8 | 25.4890 | 7.9937 | | | | | | 62,943 | 9953 | 8.8 | 21.4978 | 7.7759 |
| R.A. 23^h 40^m | | | | | | | | | | 62,978 | 9961 | 9.1 | 24.7649 | 12.4515 |
| 62,706 | 9883 | 9.1 | 1.2640 | 2.0074 | 62,981 | 9920 | 9.2 | 3.7531 | 12.5911 | R.A. 23^h 56^m | | | | |
| 62,784 | 9886 | 9.4 | 2.2453 | 14.1724 | 62,961 | 9921 | 8.7 | 4.5457 | 0.1995 | 63,165 | 9961 | 9.1 | 2.0639 | 12.4468 |
| 62,738 | 9887 | 4.8 | 2.7372 | 7.9813 | 62,902 | 9925 | 7.2 | 6.2294 | 11.1817 | 63,181 | 9971 | 8.5 | 7.4675 | 14.1620 |
| 62,727 | 9890 | 5.3 | 3.2408 | 5.4777 | 63,029 | 9927 | 9.0 | 7.3196 | 20.2774 | 63,183 | 9975 | 8.7 | 9.3262 | 13.7711 |
| 62,848 | 9891 | 8.3 | 3.8108 | 24.4321 | 63,020 | 9928 | 5.0 | 7.8843 | 18.5898 | 63,262 | 9977 | 8.8 | 9.7925 | 25.6694 |
| 62,764 | 9896 | 6.0 | 10.2051 | 10.9867 | 62,928 | 9930 | 8.8 | 8.4570 | 6.0515 | 63,140 | 9979 | 8.3 | 10.0826 | 7.8361 |
| 62,810 | 9897 | 9.1 | 11.2662 | 17.0775 | 63,003 | 9931 | 8.7 | 9.4806 | 15.6161 | 63,254 | 9980 | 8.4 | 10.2947 | 24.6648 |
| 62,728 | 9898 | 9.2 | 11.5708 | 6.3160 | 62,903 | 9932 | 9.1 | 10.2613 | 0.5184 | 63,227 | 9984 | 9.2 | 13.3034 | 19.7792 |
| 62,806 | 9903 | 6.8 | 15.3270 | 15.8127 | 62,941 | 9933 | 8.0 | 10.6317 | 7.9780 | 63,265 | 9987 | 9.0 | 17.3219 | 25.0115 |
| 62,811 | 9905 | 9.1 | 17.1757 | 16.7324 | 62,954 | 9934 | 8.9 | 10.7763 | 10.1962 | 63,109 | 9990 | 8.7 | 20.0821 | 2.1723 |
| 62,833 | 9907 | 8.8 | 18.4960 | 21.7076 | 62,994 | 9935 | 7.6 | 11.6002 | 14.4175 | 63,106 | 9992 | 8.8 | 21.9523 | 0.7928 |
| 62,860 | 9908 | 8.8 | 18.4927 | 23.9312 | 62,964 | 9937 | 8.8 | 13.9413 | 10.8425 | 63,266 | 9994 | 8.7 | 22.8368 | 24.9605 |
| 62,735 | 9912 | 8.8 | 19.7014 | 6.9901 | 62,957 | 9941 | 9.1 | 14.6863 | 10.2240 | 63,261 | 9996 | 8.7 | 23.6243 | 24.6598 |
| | | | | | 62,975 | 9942 | 7.8 | 14.7382 | 12.0557 | 63,157 | 9997 | 8.6 | 23.8979 | 9.8250 |

